

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## **Handling Subcommittee (HS) Notes** **Tuesday, December 15, 2020 12:30 pm ET**

**Present:** Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Scott Rice (SR); Wood Turner (WT)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Jared Clark (JC)

### **Agenda**

- Review December 1 notes
- 2023 Sunset: Tartaric acid (SE) - discuss review
- 2023 Sunset: Cellulose (SR) - discuss review
- 2023 Sunset: Potassium hydroxide (SE) - discuss review
- Phosphoric acid (AB/MJ) - discuss need for full TR or limited scope TR
- Additional items
- Adjourn

### **Discussion**

- **December 1 notes** were accepted as written.
- **2023 Sunset: Tartaric acid (SE).** The lead summarized the substance, its uses, and the questions that the HS will include in the first posting of the review. The HS will submit the review to NOP for the Spring meeting.
- **2023 Sunset: Cellulose (SR).** The lead summarized cellulose and its uses allowed in organic, as well as the questions for public comment. During the last review there was wide support to relist, and commenters also mentioned reviewing ancillary substances. The Subcommittee expects additional comments about ancillaries during this next review. The HS added a couple of questions to the review and will add the same questions to the tartaric acid review.
- **2023 Sunset: Potassium hydroxide (SE).** The lead summarized potassium hydroxide, noting that it has multiple uses and is widely used. The HS added some questions about alternatives and possible ancillary substances. KH will check to see if it is still being used on poultry. A member added that the NOSB currently has a proposal for cetylpyridinium chloride (CPC) that has similar uses.
- **Phosphoric acid (AB/MJ).** The group discussed the need for either a full TR or limited scope TR and will request a full TR.
- **Additional items.**
  - Research priorities. The lead will send the Fall 2020 version of the research priorities and is seeking input about any new priorities for discussion on the next HS call.
  - Sunset reviews. Members discussed best practices and resources for developing a review for several substances that are undergoing their first sunset review.
- **The meeting was adjourned**

### [Previous HS Notes](#)

#### **Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)**

December 1, 2020 (rescheduled to 12:30 ET)

Talk about Qs for limited scope TR for phosphoric acid (AB/MJ)

December 15, 2020 (rescheduled to 12:30 ET)

2023 Sunset: Tartaric acid (SE) - discuss review

2023 Sunset: Cellulose (SR) - discuss review  
2023 Sunset: Potassium hydroxide (SE) - discuss review  
Phosphoric acid (AB/MJ) - discuss need for full TR or limited scope TR

January 5, 2021  
2023 Sunset: Silicon dioxide (SR) - discuss review  
Research Priorities - finalize list to send to Materials Subcomm  
Ion exchange filtration proposal (SE/SR) - discuss review

January 19, 2021  
2023 Sunset: Agar-agar (KH) - discuss review  
2023 Sunset: Animal enzymes (KH) - discuss review  
2023 Sunset: Calcium sulfate - mined (WT) - discuss review  
2023 Sunset: Chlorine materials (AB) -

February 2, 2021  
2023 Sunset: Carrageenan (AB/JD) - discuss review  
Zein (JD) - Discuss petition discussion doc  
Fish oil annotation proposal (AB) – discuss  
Phosphoric acid (AB/MJ) - discussion draft pet discussion doc

February 16, 2021  
2023 Sunset: Glucono delta-lactone (WT) - discuss review  
Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc

March 2, 2021  
March 16, 2021  
April 6, 2021  
April 20, 2021  
May 4, 2021  
May 18, 2021  
June 1, 2021  
June 15, 2021  
July 6, 2021  
July 20, 2021  
August 3, 2021  
August 17, 2021  
September 7, 2021  
September 21, 2021  
October 5, 2021  
October 19, 2021  
November 2, 2021  
November 16, 2021  
December 7, 2021  
December 21, 2021

## Work Agenda

### Petitioned Substances:

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	SE/AB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20	TBD	TBD
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Disc doc	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in mid-January.	5.19.20 06.02.20 07.21.20 2.16.21	Spr 2021
<a href="#">Phosphoric acid - amend annotation</a>  <a href="#">Addendum #1</a> <a href="#">Addendum #2</a>	205.605(b)	AB	Disc doc	<a href="#">2003 TR</a> Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent to HS 8.10.20. Petition found sufficient 9.1.20 and HS will request a full TR.	05.05.20 09.01.20 12.1.20 12.15.20 2.2.21	Spr 2021
Zein	205.606	JD	Disc doc	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR. TR due to HS early January.	05.19.20 07.07.20 07.21.20 2.2.21	Spr 2021

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.2.21	Spr 2021
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Fall 2021

Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	1.5.21	Spr 2021
Research Priorities	ALL	RP's due to MS 01.19.21.	1.5.20	Spr 2021
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	1.19.21	
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	1.19.21	"
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	2.2.21	"
Glucono delta-lactone	205.605(a)	WT/ <del>ARB</del>	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	2.16.21	"
Tartaric acid	205.605(a)	<b>SE</b>	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	"

Cellulose	205.605(b)	SR	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	AB	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	1.19.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“
Silicon dioxide	205.605(b)	SR	N	Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	12.1.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 1, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

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## **Handling Subcommittee (HS) Notes** **Tuesday, December 1, 2020 12:30 pm ET**

**Present:** Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Scott Rice (SR); Wood Turner (WT)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Jared Clark (JC); Andrea Holm (AH)

### **Agenda**

- New HS chair
- Review November 17 notes
- Limited scope TR questions for phosphoric acid (AB/MJ)
- Discuss potassium lactate
- Discuss sodium lactate
- Assign discussion dates for sunsets and other work agenda items
- Zein transfer
- Additional items
- Adjourn

### **Discussion**

- **HS chair.** Jerry D'Amore is the new Handling Chair for 2021, and will assume duties on the next call.
- **November 17 notes** were accepted as written.
- **Limited scope TR questions for phosphoric acid (AB/MJ).** The leads and NOP discussed the questions for the limited scope TR, which pertained to food contact. The HS members will re-review the petition and determine if they may need a full TR, and will discuss it again on December 15.
- **Discuss potassium lactate and sodium lactate (JD).** The lead summarized the history and public comment for the two substances, which were added to the National List in 2019. Both potassium lactate and sodium lactate are approved as anti-microbials and are generally regarded as safe (GRAS) by FDA. The group discussed possible environmental concerns from gypsum, which is a byproduct. The lead will circulate the draft documents so others can review before sending them to the NOP to be posted for the Spring 2021 meeting.
- **Assign discussion dates for sunsets and other work agenda items.** See table and future call dates below.
- **Zein transfer.** Zein was transferred to JD for review.
- **Additional items.**
  - The L-Malic acid reclassification will be put on hold. Perhaps until the Fall 2021 meeting, while the HS continues to discuss fermentation processes.
- **The meeting was adjourned**

### [Previous HS Notes](#)

#### **Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)**

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December 1, 2020 (rescheduled to 12:30 ET)

Talk about Qs for limited scope TR for phosphoric acid (AB/MJ)

December 15, 2020 (rescheduled to 12:30 ET)

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 2023 Sunset: Carrageenan (AB/JD) - discuss review  
 Zein (JD) - Discuss petition discussion doc  
 Fish oil annotation proposal (AB) - discuss

February 16, 2021  
 2023 Sunset: Glucono delta-lactone (WT) - discuss review  
 Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc

March 2, 2021  
 March 16, 2021  
 April 6, 2021

## Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
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#### Other Projects

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Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
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Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	1.19.21	“
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	2.2.21	“
Glucono delta-lactone	205.605(a)	WT/ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	2.16.21	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“
Cellulose	205.605(b)	SR	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	AB	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	1.19.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“

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Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
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## **Handling Subcommittee (HS) Notes** **Tuesday, November 17, 2020 12:30 pm ET**

**Present:** Asa Bradman (AB), Chair; Steve Ela (SE) - Vice Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Jerry D'Amore (JD); A-dae Briones (ARB)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Jared Clark (JC); Andrea Holm (AH)

### **Agenda**

- Review October 6 notes
- Debrief from Fall meeting
- NOSB Fall Recommendations
- Schedule dates for 2023 sunset reviews
- Additional items
- Adjourn

### **Discussion**

- **October 6 notes** were accepted as written.
- **Debrief from Fall meeting.**
  - Members discussed outcomes from the Fall 2020 meeting and potential action items. The HS may work on possible annotations for cornstarch, kaolin (& use of nano materials), wood rosin (technical spelling correction), carnauba wax/shellac (solvent extraction, labeling use), sodium hydroxide (limit to essential uses). The HS Chair will compile a list and assign them to members to research. The HS will discuss further to determine what items, if any, to add to its work agenda. The NOSB chair added that labeling requirements (e.g. carnauba wax) may be outside the authority of OFPA, and is regulated by the FDA. A member suggested that it would be helpful to include that information in the reviews of various substances given that they often get questions and comments.
  - Ion Exchange. The NOSB Chair will reach out to stakeholders about issues identified in public comment and the HS will continue to work on this project.
- **NOSB Fall Recommendations.** The final recommendations are due to NOP November 27. Coversheets and clean Word versions of the proposals were sent to the Subcommittee Chairs. The leads will add any additional comments from the Fall meeting and verify that the OFPA criteria are cited where applicable. NOP can add the vote totals from the Fall meeting.
- **Schedule dates for 2023 sunset reviews.** Three sunset discussion dates were assigned (see table below) and the HS Chair will schedule the remainder and send them to the HS members. Some of the 2023 sunsets were reassigned in anticipation of new Subcommittee rosters.
- **Additional items.**
  - Fish oil annotation. The HS Chair would like to assign a co-lead. The HS may develop a proposal for the Spring 2021 meeting.
  - Limited scope TR for phosphoric acid. Send questions to NOP so NOP can send it out for bids.
  - The HS will likely post a discussion document for Cetylpyridinium chloride (CPC) at the Spring 2021 meeting, and a proposal for the Fall 2021 meeting.
- **The meeting was adjourned**

[Previous HS Notes](#)

**Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)**

November 3, 2020 (rescheduled to 12:30 ET)- cancelled

November 17, 2020 (rescheduled to 12:30 ET)

December 1, 2020 (rescheduled to 12:30 ET)

Talk about Qs for limited scope TR for phosphoric acid.

December 15, 2020 (rescheduled to 12:30 ET)

2023 Sunset: Tartaric acid (SE)

2023 Sunset: Cellulose (CAS #9004-34-6) (SR)

January 5, 2021

Research Priorities – finalize list to send to MS

2023 Sunset: Glucono delta-lactone (ARB)

January 19, 2021

February 2, 2021

February 16, 2021

March 2, 2021

March 16, 2021

April 6, 2021

**Work Agenda**

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<a href="#">Phosphoric acid - amend annotation</a>  <a href="#">Addendum #1</a> <a href="#">Addendum #2</a>	205.605(b)	AB/MJ	Disc doc	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent	05.05.20 09.01.20 12.1.20	Spr 2021

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Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	TBD	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.20	Spr 2021
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

**2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)**

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>		
Calcium sulfate—mined	205.605(a)	JD	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Glucono delta-lactone	205.605(a)	ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	1.5.20	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SR	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	12.15.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	AB	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>		
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Silicon dioxide	205.605(b)	AB	N	Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024		

				<a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD</a>		
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD</a>		

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 1, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**Handling Subcommittee (HS) Notes**  
**Tuesday, October 6, 2020 12:30 pm ET**

**Present:** Asa Bradman (AB), Chair; Steve Ela (SE) - Vice Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Jerry D'Amore (JD)

**Absent:** A-dae Briones (ARB)

**Staff:** Michelle Arsenault (MA); Jared Clark (JC); Devon Pattillo (DP)

**Agenda**

- Discuss public comments/review roles for Fall meeting.
- Additional items
- Adjourn

**Discussion**

- **Discuss public comments/review roles for Fall meeting.**
  - The group discussed the process for reviewing comments and presenting the substances at the Fall meeting. Each lead will introduce a material including a summary of the comments, before the Board members discuss it and vote. The group also discussed the presence of section 205.606 on the list and how it is viewed and utilized, in addition to comments about specific substances that are listed on 205.606.
  - Members also discussed Marine Materials and how the proposal could relate to the Handling work agenda item on fish oil.
- **Additional items.** The HS will reschedule the next few meetings to 12:30 ET and may cancel the November 3 meeting.
- **The meeting was adjourned**

[Previous HS Notes](#)

**Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)**

September 15, 2020 - cancelled

October 6, 2020

Discuss public comments/review roles for Fall meeting

October 20, 2020

November 3, 2020 (rescheduled to 12:30 ET)

November 17, 2020 (rescheduled to 12:30 ET)

December 1, 2020 (rescheduled to 12:30 ET)

December 15, 2020



## Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.20. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	05.19.20 06.02.20	Fall 2020
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	SE/AB/ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20	4.7.20 07.07.20 08.04.20	Fall 2020
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Proposal	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in late October.	5.19.20 06.02.20 07.21.20	Spr 2021
<a href="#">Phosphoric acid - amend annotation</a>  <a href="#">Addendum #1</a> <a href="#">Addendum #2</a>	205.605(b)	AB/MJ	Proposal	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent to HS 8.10.20. Sufficiency due ASAP. Petition found sufficient 9.1.20 and requested a Lmt'd Scope TR.	05.05.20 09.01.20	Spr 2021
Zein	205.606	MJ	Proposal	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR. TR due to HS early Jan.	05.19.20 07.07.20 07.21.20	Spr 2021

## Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	5.19.20 08.04.20	Fall 2020
Research Priorities	ALL	RP's due to MS July 2020.	07.07.20	Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

## 2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">1995 TAP</a> (Kaolin & Bentonite) <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	"
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	"

Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.	07.07.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>	07.21.20	“
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color;	205.606	SE/JD	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	

Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	SE/AB/ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020

NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 1, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 28 - 30, 2020
Sanitizer Panel	Nov 12, 2020

**2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)**

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Calcium sulfate—mined	205.605(a)	JD	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Carrageenan	205.605(a)	MJ/AB	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Glucono delta-lactone	205.605(a)	ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“

Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid 2016/Spr Rec to ADD</a>	07.07.20	
Potassium hydroxide	205.605(b)	MJ	N	Sunset date: 5/29/2023 <a href="#">2016 TR 2016/Fall - Rec to Renew</a>	07.07.20	“
Silicon dioxide	205.605(b)	AB	N	Sunset date: 5/29/2023 <a href="#">2010 TR 2016/Fall - Rec to Renew</a>	07.07.20	
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD</a>	07.07.20	
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD</a>	07.07.20	

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## **Handling Subcommittee (HS) Notes** **Tuesday, September 1, 2020 12:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Steve Ela (SE) - Vice Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Jerry D'Amore (JD)

**Absent:** A-dae Briones (RB)

**Staff:** Michelle Arsenault (MA); Jared Clark (JC); Devon Pattillo (DP)

### **Agenda**

- Phosphoric acid petition + addendum - Petition sufficiency
- Sanitizer Panel Charge Questions
- Additional items
- Adjourn

### **Discussion**

- **Phosphoric acid petition + addendum.** The group discussed the addendum to the petition, noting that the petitioner is asking for a limited specific use. The petition was found sufficient. Members discussed the previous TR for phosphoric acid, from 2003, which does not address this specific use. HS requested a limited scope TR.
- **Sanitizer Panel Charge Questions.** The HS discussed the questions and charge to the panelists who will be on the Sanitizer panel. The HS would like to add two questions: one about distinguishing between food contact and equipment contact; and one about cross resistance with antibiotics. The Materials Subcommittee will also be discussing the panel next week.
- **Additional items.** None.
- **The meeting was adjourned**

### **[Previous HS Notes](#)**

#### **Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

August 18, 2020 - cancelled

September 1, 2020

Phosphoric acid petition + addendum - Petition sufficiency

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

## Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	05.19.20 06.02.20	Fall 2020
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	SE/AB/ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20	4.7.20 07.07.20 08.04.20	Fall 2020
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Proposal	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in late October.	5.19.20 06.02.20 07.21.20	Spr 2021
<a href="#">Phosphoric acid - amend annotation</a>  <a href="#">Addendum #1</a> <a href="#">Addendum #2</a>	205.605(b)	AB/MJ	Proposal	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent to HS 8.10.20. Sufficiency due ASAP. Petition found sufficient 9.1.20 and requested a Lmt'd Scope TR.	05.05.20 09.01.20	Spr 2021
Zein	205.606	MJ	Proposal	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR.	05.19.20 07.07.20 07.21.20	TBD



## Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	5.19.20 08.04.20	Fall 2020
Research Priorities	ALL	RP's due to MS July 2020.	07.07.20	Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

## 2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">1995 TAP</a> (Kaolin & Bentonite) <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	"
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	"

Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.	07.07.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>	07.21.20	“
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color;	205.606	SE/JD	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	

Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	SE/AB/ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020

NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 1, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 28 - 30, 2020

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Calcium sulfate—mined	205.605(a)	JD	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Carrageenan	205.605(a)	MJ/AB	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Glucono delta-lactone	205.605(a)	ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide.	205.605(b)	TBD	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	07.07.20	

(iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite						
Potassium hydroxide	205.605(b)	MJ	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Silicon dioxide	205.605(b)	AB	N	Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**Handling Subcommittee (HS) Notes**  
**Tuesday, August 4, 2020 12:00 pm ET**

**Present:** Steve Ela (SE) - Vice Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Jerry D'Amore (JD); A-dae Briones (ARB)

**Absent:** Asa Bradman (AB), Chair

**Staff:** Michelle Arsenault (MA); Jared Clark (JC); Devon Pattillo (DP)

**Agenda**

- July 21 notes
- Fish oil annotation (AB).
- 2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD) - discuss review/vote
- 2022 Sunsets: Kelp (ARB) - discuss review/vote
- 2022 Sunsets: Orange shellac-unbleached (KH) - discuss review/vote
- 2022 Sunsets: Whey protein concentrate (ARB) - discuss review/vote
- Whey protein concentrate (removal from 205.606) - discuss petition
- Ion exchange filtration proposal (SE/SR) - discuss proposal/vote
- Additional items
- Adjourn

**Discussion**

- **July 21 notes** were accepted as written.
- **Fish oil annotation (AB).** The Handling Subcommittee continues to work on the proposal and will have a document for the Spring 2021 meeting. A member asked how similar this project is to the liquid fish products in Crops.
- **2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD).** The lead summarized the previous Board's review and public comments. At the last sunset review, the NOSB recommended removal based on commercial availability, however, comments during the rulemaking phase indicated that it was still in use and the NOP did not remove it. Based on this current review and public comment, the lead recommended relisting. He indicated that although there are alternatives functionality varies and therefore there is not enough commercial availability. The HS proceeded to a vote.

Motion to remove inulin-oligofructose enriched (IOE) from 205.606.

Motion by: JD

Seconded by: SR

Yes: 0 No: 6 Abstain: 0 Absent: 1 Recuse: 0

- **2022 Sunsets: Kelp (ARB).** The lead noted that the review is fairly straight forward, and is supportive of relisting at this time. She also noted that the marine materials proposal that the Materials Subcommittee is working on, could have future implications for this listing. The lead will circulate the kelp review to the HS members, and they will vote via email. NOP NOTE: Vote was completed via email 8.10.20 and recorded below:

Motion to remove kelp from 205.606

Motion by: ARB

Seconded by: SE

Yes: 1 No: 6 Abstain: 0 Absent: 0 Recuse: 0

- **2022 Sunsets: Orange shellac-unbleached (KH).** The lead summarized the uses of orange shellac which is used as a fruit coating as well as in jellybeans. A member noted an absence of comments on this ingredient, and the lack of information about whether its use in organic products is widespread or necessary. A member suggested adding a comment about the petition to add Zein to 205.606, which is currently under review by the HS.

Motion to remove orange shellac-unbleached from 205.606.

Motion by: KH

Seconded by: JD

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0

- **2022 Sunsets: Whey protein concentrate (SE/ARB).** The NOSB Chair summarized the substance and the previous NOSB recommendation to remove it from the National List. During the rulemaking process the NOP received comments that objected to its removal, and it was not removed from the List. The Handling Subcommittee also received a petition to remove Whey Protein Concentrate and will discuss the petition as part of the sunset review at the Fall meeting.

Motion to remove whey protein concentrate

Motion by: SE

Seconded by: JD

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Whey protein concentrate (removal from 205.606) (SE).** The Handling Subcommittee will present a discussion document at the Fall 2020 meeting to solicit comments on the petition to remove whey protein concentrate from 205.606. The lead will send the draft document to the HS members via email and the HS will vote via email. NOP NOTE: Vote was completed via email 8.11.20 and recorded below:

Motion to accept the discussion document on whey protein concentrate

Motion by: SE

Seconded by: SR

Yes: 7 No: 0 Abstain: 0 Absent: 0 Recuse: 0

- **Ion exchange filtration proposal (SE/SR).** The NOP tasked the HS with this work agenda item to provide a recommendation clarifying varying interpretations about resins/membranes and recharge materials, and which ones have to be on the NL. The lead summarized the proposal, and members discussed the history of the topic and the basis for the recommendation. The TR was found sufficient, and the HS voted on the proposal. The Subcommittee is seeking feedback from the public for the Fall meeting.

Motion to accept the proposal on ion exchange filtration.

Motion by: SE

Seconded by: SR

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Additional items.** None
- **The meeting was adjourned**

### Previous HS Notes

#### **Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

July 21, 2020

- 2022 Sunsets: Carnauba wax (KH) - discuss review/vote
- 2022 Sunsets: Colors (18) (SE) - discuss review/vote
- 2022 Sunsets: Glycerin (JD) - discuss review/vote
- 2022 Sunsets: Turkish bay leaves (SR) - discuss review/vote
- Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc/vote

August 4, 2020 (Asa out)

- Fish oil annotation (AB) - Discuss proposal/vote
- 2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD) - discuss review/vote
- 2022 Sunsets: Kelp (ARB) - discuss review/vote
- 2022 Sunsets: Orange shellac-unbleached (KH) - discuss review/vote
- 2022 Sunsets: Whey protein concentrate (ARB) - discuss review/vote
- Whey protein concentrate (removal from 205.606) - discuss petition
- Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

### **Work Agenda**

#### **Petitioned Substances**

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	05.19.20 06.02.20	Fall 2020



<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	SE/AB/ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20	4.7.20 07.07.20 08.04.20	Fall 2020
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Proposal	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in late Nov.	5.19.20 06.02.20 07.21.20	Spr 2021
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ	Proposal	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20.	05.05.20	Spr 2021
Zein	205.606	MJ	Proposal	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR.	05.19.20 07.07.20 07.21.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	5.19.20 08.04.20	Fall 2020
Research Priorities	ALL	RPs due to MS July 2020.	07.07.20	Fall 2020

Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

### 2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">1995 TAP</a> (Kaolin & Bentonite) <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	“
Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS	07.07.20	“

				sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.		
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>	07.21.20	"
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	SE/JD	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	

Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	SE/AB/ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
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**2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)**

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Calcium sulfate—mined	205.605(a)	JD	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Carrageenan	205.605(a)	MJ/AB	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Glucono delta-lactone	205.605(a)	ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	07.07.20	
Potassium hydroxide	205.605(b)	MJ	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Silicon dioxide	205.605(b)	AB	N	Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	

Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	

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## Handling Subcommittee (HS) Notes Tuesday, July 21, 2020 12:00 pm ET

**Present:** Asa Bradman (AB), Chair; Steve Ela (SE) - Vice Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Jerry D'Amore (JD)

**Absent:** A-dae Briones (ARB)

**Staff:** Michelle Arsenault (MA); Jared Clark (JC)

### Agenda

- July 7 notes
- 2022 Sunsets: Carnauba wax (KH) - discuss review/vote
- 2022 Sunsets: Colors (18) (SE) - discuss review/vote
- 2022 Sunsets: Glycerin (JD) - discuss review/vote
- 2022 Sunsets: Turkish bay leaves (SR) - discuss review/vote
- Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc/vote
- Fish oil annotation (AB) - Discuss proposal
- Zein (MJ) - discuss questions for TR
- Additional items
- Adjourn

### Discussion

- **July 7 notes** accepted as written.
- **2022 Sunsets: Carnauba wax (KH).** The lead summarized the review and Spring 2020 public comments. Comments were mixed - some suggested removal because of the availability of organic carnauba, and others suggested the organic form does not provide the same result when used as a processing aid. The group discussed the use of volatiles in the production of carnauba wax and will add some questions to the review. Members also discussed labeling, clarifying that if carnauba is an ingredient it would be listed on the label, and if it is used on a fresh product such as apples, it would not.

Motion to remove carnauba wax at §205.606

Motion by: KH

Seconded by: SR

Yes: 4 No: 2 Abstain: 0 Absent: 1 Recuse: 0

- **2022 Sunsets: Colors (18) (SE/JD).** The lead summarized the previous sunset review (2015) and noted that the Board chose to relist all colors. During the Spring 2020 review the HS asked stakeholders to comment on individual colors, but received little feedback. The co-leads reached out to those that did comment and received confirmation from some that organic supply is plentiful, but also received contradictory information from others. Members discussed sources and varieties and noted that some colors are made from specific varieties that may not have an adequate organic supply. The HS voted on each of the 18 colors.

Motion to remove beet juice extract from §205.606.

Motion by: SE

Seconded by: MJ

Yes: 2 No: 4 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove beta carotene extract from §205.606.

Motion by: SE

Seconded by: AB

Yes: 2 No: 4 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove black currant juice color from §205.606.

Motion by: SE

Seconded by: MJ

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove black/purple carrot juice color from §205.606.

Motion by: SE

Seconded by: AB

Yes: 2 No: 4 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove blueberry juice color from §205.606.

Motion by: SE

Seconded by: MJ

Yes: 4 No: 2 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove carrot juice color from §205.606.

Motion by: SE

Seconded by: SR

Yes: 5 No: 1 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove cherry juice color from §205.606.

Motion by: SE

Seconded by: KH

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove chokecherry – aronia juice color from §205.606.

Motion by: SE

Seconded by: MJ

Yes: 1 No: 5 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove elderberry juice color from §205.606.

Motion by: SE

Seconded by: AB

Yes: 0 No: 6 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove grape juice color from §205.606.

Motion by: SE

Seconded by: AB

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove grape skin extract color from §205.606.

Motion by: SE

Seconded by: SR

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0



Motion to remove paprika color from §205.606.

Motion by: SE

Seconded by: KH

Yes: 5 No: 1 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove pumpkin juice color from §205.606.

Motion by: SE

Seconded by: KH

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove purple potato juice extract from §205.606.

Motion by: SE

Seconded by: AB

Yes: 0 No: 6 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove red cabbage extract color from §205.606.

Motion by: SE

Seconded by: MJ

Yes: 3 No: 3 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove red radish extract color from §205.606.

Motion by: SE

Seconded by: KH

Yes: 2 No: 4 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove saffron extract color from §205.606.

Motion by: SE

Seconded by: AB

Yes: 2 No: 4 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove turmeric extract from §205.606.

Motion by: SE

Seconded by: KH

Yes: 4 No: 2 Abstain: 0 Absent: 1 Recuse: 0

- **2022 Sunsets: Glycerin (JD).** The lead summarized comments about the use of glycerin and the availability of organic supply, noting that comments were mixed. The Subcommittee vote was split.

Motion to remove glycerin at §205.606

Motion by: JD

Seconded by: KH

Yes: 2 No: 3 Abstain: 1 Absent: 1 Recuse: 0

- **2022 Sunsets: Turkish bay leaves (SR).** The lead summarized the current review and conveyed the history of the previous review to the Subcommittee members. The 2015 NOSB voted to remove Turkish bay leaves during the last sunset, but based on comments from a manufacturer during rule making, the NOP did not remove it. Based on the Subcommittee review and public comments, organic forms are readily available.

Motion to remove Turkish bay leaves at §205.606

Motion by: SR

Seconded by: SE

Yes: 5 No: 1 Abstain: 0 Absent: 1 Recuse: 0

- **Cetylpyridinium chloride (CPC) (AB/KH).** The HS will defer the review of CPC to the Spring 2021 meeting until the TR has been completed.
- **Fish oil (AB).** Deferred to August 4 call.
- **Zein (MJ).** Members were asked to provide feedback to the lead by Friday, July 24.
- **Additional items.** None.
- **The meeting was adjourned**

### [Previous HS Notes](#)

#### **Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

July 7, 2020

Determine 2023 sunset TR needs (ALL)

Whey protein concentrate (removal) (ARB) - Petition sufficiency due ASAP

Zein (MJ) - Petition sufficiency due ASAP

Research Priorities (ALL) - discuss/send to MS

2022 Sunsets: Ammonium bicarbonate (SE/MJ) - discuss review/vote

2022 Sunsets: Ammonium carbonate (SE/MJ) - discuss review/vote

2022 Sunsets: Calcium phosphates (monobasic, dibasic, and tribasic) (JD) - discuss review/vote

2022 Sunsets: Sodium hydroxide (MJ) - discuss review/vote

July 21, 2020

2022 Sunsets: Carnauba wax (KH) - discuss review/vote

2022 Sunsets: Colors (18) (SE) - discuss review/vote

2022 Sunsets: Glycerin (JD) - discuss review/vote

2022 Sunsets: Turkish bay leaves (SR) - discuss review/vote

Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc/vote

August 4, 2020 (Asa out)

Fish oil annotation (AB) - Discuss proposal/vote

2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD) - discuss review/vote

2022 Sunsets: Kelp (ARB) - discuss review/vote

2022 Sunsets: Orange shellac-unbleached (KH) - discuss review/vote

2022 Sunsets: Whey protein concentrate (ARB) - discuss review/vote

Whey protein concentrate (removal from 205.606) - discuss petition

Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

### **Work Agenda**

## Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.20. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	05.19.20 06.02.20	Fall 2020
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	SE/AB/ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20	4.7.20 07.07.20 08.04.20	Spr 2021
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Proposal	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in late Nov.	5.19.20 06.02.20 07.21.20	Spr 2021
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ	Proposal	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20.	05.05.20	Spr 2021
Zein	205.606	MJ	Proposal	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR.	05.19.20 07.07.20 07.21.20	TBD

## Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	08.04.20	Fall 2020

L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020.	5.19.20 08.04.20	Fall 2020
Research Priorities	ALL	RPs due to MS July 2020.	07.07.20	Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

#### 2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">1995 TAP</a> (Kaolin & Bentonite) <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	“
Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic,	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“

dibasic, and tribasic)						
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.	07.07.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>	07.21.20	“
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color;	205.606	SE/JD	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	

Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	SE/AB/ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 1, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020

Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

**2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)**

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Calcium sulfate—mined	205.605(a)	JD	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Carrageenan	205.605(a)	MJ/AB	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Glucono delta-lactone	205.605(a)	ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	07.07.20	
Potassium hydroxide	205.605(b)	MJ	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“

Silicon dioxide	205.605(b)	AB	N	Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	



Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## Handling Subcommittee (HS) Notes Tuesday, July 7, 2020 1:00 pm ET

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE)

**Absent:** Jerry D'Amore (JD); A-dae Briones (ARB)

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

### Agenda

- June 16 notes
- 2022 Sunsets: Ammonium bicarbonate (SE/MJ) - discuss review/vote
- 2022 Sunsets: Ammonium carbonate (SE/MJ) - discuss review/vote
- 2022 Sunsets: Calcium phosphates (monobasic, dibasic, and tribasic) (JD) - discuss review/vote
- 2022 Sunsets: Sodium hydroxide (MJ) - discuss review/vote
- Whey protein concentrate (removal) (ARB) - Petition sufficiency due ASAP
- Zein (MJ) - Petition sufficiency due ASAP
- Research Priorities (ALL) - discuss/send to MS
- Determine 2023 sunset TR needs (ALL)
- Additional items
- Adjourn

### Discussion

- **June 16 notes** were accepted as written
- **2022 Sunsets: Ammonium bicarbonate (SE/MJ).** The lead summarized the Spring comments, which were somewhat mixed. The group discussed uses, noting that ammonium bicarbonate is a relatively benign substance and is used in baked goods.

Motion to remove ammonium bicarbonate at §205.605

Motion by: MJ

Seconded by: SR

Yes: 0 No: 5 Abstain: 0 Absent: 2 Recuse: 0

- **2022 Sunsets: Ammonium carbonate (SE/MJ).** The comments for ammonium carbonate were similar to those of ammonium bicarbonate. The comments were mixed, but there are not compelling reasons based on OFPA criteria for removal.

Motion to remove ammonium carbonate at §205.605

Motion by: MJ

Seconded by: SE

Yes: 0 No: 5 Abstain: 0 Absent: 2 Recuse: 0

- **2022 Sunsets: Sodium hydroxide (MJ).** The lead summarized the Spring comments, which included a suggestion to add an annotation. Most commenters indicated that sodium hydroxide is widely used and supported relisting. The lead will clarify some language in the draft review and submit it to the NOP for the fall meeting.

Motion to remove sodium hydroxide at §205.605

Motion by: KH

Seconded by: MJ

Yes: 0 No: 5 Abstain: 0 Absent: 2 Recuse: 0

- **2022 Sunsets: Calcium phosphates (monobasic, dibasic, and tribasic) (JD).** Calcium phosphates are used for leavening. There was no opposition to re-listing, but the NOSB acknowledged general comments about phosphates, and accumulative effects.

Motion to remove calcium phosphates (monobasic, dibasic, and tribasic) at §205.605

Motion by: SE

Seconded by: AB

Yes: 0 No: 5 Abstain: 0 Absent: 2 Recuse: 0

- **Whey protein concentrate (removal) (WPC) (ARB).** The group reviewed and discussed the petitioner's responses to the Subcommittees questions, and found the petition sufficient. The NOSB also has a concurrent sunset review for whey protein concentrate. The HS will complete the sunset review, and will put forth a discussion document on the WPC petition at the Fall meeting.
- **Zein (MJ).** The lead summarized the petitioner's responses to the Subcommittee questions regarding the extraction process. The HS was looking for more specificity. The response also included information about the use of solvents in the extraction process and application of zein. Members discussed putting forth a discussion document at the Fall meeting to glean more input from the community. A member asked about the need for zein as there seem to be alternatives, to which another member responded that zein is vegan. The HS found the petition sufficient, and will request a TR.
- **Research Priorities (ALL).** There were few to no changes to the Spring document, and the HS will submit the same list for the Fall research priorities proposal.
- **Determine 2023 sunset TR needs (ALL).** See table below. The HS did not request any TRs for the 2023 sunset substances.
- **Additional items.** None
- **The meeting was adjourned**

## [Previous HS Notes](#)

### **Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

June 16, 2020

2022 Sunsets: Sweet potato starch (AB) - discuss review/vote

2022 Sunsets: Kaolin (KH) - discuss review/vote

2022 Sunsets: Sodium bicarbonate (SE/MJ) - discuss review/vote

2022 Sunsets: Waxes - nonsynthetic (Wood resin) (KH) - discuss review/vote

Determine 2023 sunset TR needs (ALL)

July 7, 2020

Determine 2023 sunset TR needs (ALL)

Whey protein concentrate (removal) (ARB) - Petition sufficiency due ASAP

Zein (MJ) - Petition sufficiency due ASAP

Research Priorities (ALL) - discuss/send to MS

2022 Sunsets: Ammonium bicarbonate (SE/MJ) - discuss review/vote

2022 Sunsets: Ammonium carbonate (SE/MJ) - discuss review/vote

2022 Sunsets: Calcium phosphates (monobasic, dibasic, and tribasic) (JD) - discuss review/vote

2022 Sunsets: Sodium hydroxide (MJ) - discuss review/vote

July 21, 2020

2022 Sunsets: Carnauba wax (KH) - discuss review/vote

2022 Sunsets: Colors (18) (SE) - discuss review/vote

2022 Sunsets: Glycerin (JD) - discuss review/vote

2022 Sunsets: Turkish bay leaves (SR) - discuss review/vote

Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc/vote

Fish oil annotation (AB) - Discuss proposal/vote

August 4, 2020

2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD) - discuss review/vote

2022 Sunsets: Kelp (ARB) - discuss review/vote

2022 Sunsets: Orange shellac-unbleached (KH) - discuss review/vote

2022 Sunsets: Whey protein concentrate (ARB) - discuss review/vote

Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

## Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	5.19.20 06.02.20	Fall 2020
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	SE/AB/ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. Petition was found sufficient 07.07.20	4.7.20 07.07.20 08.04.20	Spring 2021

<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Petition disc doc	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in late Nov.	5.19.20 06.02.20 07.21.20	Fall 2020
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ	Proposal	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20.	05.05.20	Spr 2021
Zein	205.606	MJ		Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR.	05.19.20 07.07.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation Proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	07.21.20	Fall 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020.	5.19.20 08.04.20	Fall 2020
Research Priorities	ALL	RPs due to MS July 2020.	07.07.20	Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold

Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
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\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

### 2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">1995 TAP</a> (Kaolin & Bentonite) <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	“
Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.	07.07.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List)	07.21.20	“

				<a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>		
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“

Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	“
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	SE/AB/ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 1, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	Summary: Spr 2021 Review: Fall 2021

Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Calcium sulfate—mined	205.605(a)	JD	N	Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Carrageenan	205.605(a)	MJ/AB	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Glucono delta-lactone	205.605(a)	ARB	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE	N	Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD	N	Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	07.07.20	
Potassium hydroxide	205.605(b)	MJ	N	Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Silicon dioxide	205.605(b)	AB	N	Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	



Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**Handling Subcommittee (HS) Notes**  
**Tuesday, June 16, 2020 1:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE); Jerry D'Amore (JD); A-dae Briones (ARB)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

**Agenda**

- June 2 notes
- 2022 Sunsets: Sweet potato starch (AB) - discuss review/vote
- 2022 Sunsets: Kaolin (KH) - discuss review/vote
- 2022 Sunsets: Sodium bicarbonate (SE/MJ) - discuss review/vote
- 2022 Sunsets: Waxes - nonsynthetic (Wood rosin) (KH) - discuss review/vote
- Determine 2023 sunset TR needs (ALL)
- Additional items
- Adjourn

**Discussion**

- **June 2 notes** were accepted as written.
- **2022 Sunsets: Sweet potato starch (AB).** The lead summarized the draft review and sought feedback from the Subcommittee members about organic supply, noting the similarity with cornstarch. The group previously discussed the concept of an annotation limiting cornstarch on to specific forms that are not available organically, and would like to solicit feedback about sweet potato starch as well. . Members had a broader discussion of section 205.606, noting that items listed here are sometimes culturally specific items and often those stakeholders are not necessarily participating in NOSB meetings, therefore it can be difficult to gather data on supply and market availability/economics. The HS is seeking more extensive feedback and information about both cornstarch and sweet potato starch, and moved to a vote.

Motion to remove sweet potato starch at §205.606

Motion by: AB

Seconded by: JD

Yes: 4 No: 3 Abstain: 0 Absent: 0 Recuse: 0

- **2022 Sunsets: Kaolin (KH).** The lead noted that there were few comments about kaolin, and the comments that were submitted were supportive of relisting. There was no current TR, but there was a TAP from 1995, and a 2002 TR for kaolin pectin, which has a different use. It was noted that kaolin is most likely used as a processing aid and/or ingredient in personal care products, rather than as a food ingredient. It is also allowed internationally.

Motion to remove kaolin at §205.605a

Motion by: KH

Seconded by: AB

Yes: 1 No: 6 Abstain: 0 Absent: 0 Recuse: 0

- **2022 Sunsets: Sodium bicarbonate (SE/MJ).** Comments submitted in the Spring were generally supportive of the listing of sodium bicarbonate. Certifiers pointed out two processes for manufacturing sodium bicarbonate (Solvay and Trona); one is considered nonsynthetic, although certifiers noted that both may be synthetic when following the decision tree (NOP 5033-1). Members expressed support for reclassifying or annotating to clarify the allowed form(s). Another member suggested that they might consider improving the decision tree, so the outcomes are more consistent when it comes to synthetic vs non-synthetic determinations. The HS will add some text to this sunset review to flag it for a future non-sunset work agenda item.

Motion to remove sodium bicarbonate at §205.605

Motion by: MJ

Seconded by: AB

Yes: 0 No: 7 Abstain: 0 Absent: Recuse: 0

- **2022 Sunsets: Waxes - nonsynthetic (Wood rosin) (KH).** The lead summarized the uses of waxes and asked about the reason there are two separate listings instead of one combined one, as both of the waxes are used to coat candy or fruit. NOP added that they were separated when carnauba wax was reclassified as agricultural (and it moved from 205.605 to 205.606). The lead also noted the misspelling of wood rosin vs. resin, which they feel should be clarified and corrected. The HS Chair emphasized the use of volatile solvents in some extraction processes. The group discussed the possibility of adding a work agenda item to annotate and limit the production method of waxes and to correct the misspelling.

Motion to remove waxes - nonsynthetic (wood resin) at §205.605

Motion by: KH

Seconded by: SR

Yes: 0 No: 7 Abstain: 0 Absent: Recuse: 0

- **Determine 2023 sunset TR needs (ALL).** Rescheduled for July 7
- **Additional items.** None
- **The meeting was adjourned**

## [Previous HS Notes](#)

### **Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

June 2, 2020

Assign lead for 2023 Sunset: Chlorine Materials

Cetylpyridinium chloride (CPC) - discuss questions for TR

Low acyl gellan gum (SR) - discuss proposal vs. discussion document

2022 Sunsets: Ozone (SR) - discuss review/vote

2022 Sunsets: Cornstarch (native)(AB) - discuss review/vote

2022 Sunsets: Sweet potato starch (AB) - discuss review/vote

Assign dates for review of 2022 sunsets

Assign dates for TR determination for 2023 sunsets

June 16, 2020

2022 Sunsets: Sweet potato starch (AB) - discuss review/vote

2022 Sunsets: Kaolin (KH) - discuss review/vote

2022 Sunsets: Sodium bicarbonate (SE/MJ) - discuss review/vote  
 2022 Sunsets: Waxes - nonsynthetic (Wood resin) (KH) - discuss review/vote  
 Determine 2023 sunset TR needs (ALL)

July 7, 2020

Determine 2023 sunset TR needs (ALL)  
 Whey protein concentrate (removal) (ARB) - **Petition sufficiency due ASAP**  
 Zein (MJ) - **Petition sufficiency due ASAP**  
 Research Priorities (ALL) - discuss/send to MS  
 2022 Sunsets: Ammonium bicarbonate (SE/MJ) - discuss review/vote  
 2022 Sunsets: Ammonium carbonate (SE/MJ) - discuss review/vote  
 2022 Sunsets: Calcium phosphates (monobasic, dibasic, and tribasic) (JD) - discuss review/vote  
 2022 Sunsets: Sodium hydroxide (MJ) - discuss review/vote

July 21, 2020

2022 Sunsets: Carnauba wax (KH) - discuss review/vote  
 2022 Sunsets: Colors (18) (SE) - discuss review/vote  
 2022 Sunsets: Glycerin (JD) - discuss review/vote  
 2022 Sunsets: Turkish bay leaves (SR) - discuss review/vote  
 Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc  
 Fish oil annotation (AB) - Discuss proposal/vote

August 4, 2020

2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD) - discuss review/vote  
 2022 Sunsets: Kelp (ARB) - discuss review/vote  
 2022 Sunsets: Orange shellac-unbleached (KH) - discuss review/vote  
 2022 Sunsets: Whey protein concentrate (ARB) - discuss review/vote  
 Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

## Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	5.19.20 06.02.20	Fall 2020

<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. <b>Sufficiency due ASAP</b>	4.7.20 07.07.20	Spring 2021
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Petition disc doc	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in late Nov.	5.19.20 06.02.20 07.21.20	Fall 2020
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ	Proposal	Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20.	TBD	Spr 2021
Zein	205.606	MJ		Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. <b>Sufficiency due ASAP</b>	5.19.20 07.07.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation Proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	07.21.20	Fall 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Spr 2021
Ion exchange filtration proposal	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020.	5.19.20 08.04.20	Fall 2020
Research Priorities	ALL	RPs due to MS July 2020.	07.07.20	Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17.	TBD	Discussion doc On hold

		Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.		
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

#### 2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">1995 TAP</a> (Kaolin & Bentonite) <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	“
Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.	07.07.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a>	07.21.20	“

				<a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>		
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“

Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
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NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	

Calcium sulfate—mined	205.605(a)	JD		Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Carrageenan	205.605(a)	MJ/AB		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Glucono delta-lactone	205.605(a)	ARB		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Tartaric acid	205.605(a)	SE		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE		Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD		Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	07.07.20	
Potassium hydroxide	205.605(b)	MJ		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	“
Silicon dioxide	205.605(b)	AB		Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	07.07.20	
Potassium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	
Sodium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	07.07.20	



Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## Handling Subcommittee (HS) Notes Tuesday, June 2, 2020 1:00 pm ET

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE); Jerry D'Amore (JD); A-dae Briones (ARB)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

### Agenda

- May 19 notes
- Cetylpyridinium chloride (CPC) - discuss questions for TR
- Low acyl gellan gum (SR) - discuss proposal vs. discussion document
- 2022 Sunsets: Ozone (SR) - discuss review/vote
- 2022 Sunsets: Cornstarch (native)(AB) - discuss review/vote
- 2022 Sunsets: Sweet potato starch (AB) - discuss review/vote
- Assign dates for review of 2022 sunsets (ALL)
- Assign dates for TR determination for 2023 sunsets (ALL)
- Sodium hydroxide TR (MJ)
- Additional items
- Adjourn

### Discussion

- **May 19 notes** were accepted as written
- **Cetylpyridinium chloride (CPC).** The HS will seek a technical report (TR) for CPC and discussed adding a question about potential occupational exposures. The HS is also interested in information about efficacy of CPC versus other sanitizers both on and off the National List. The HS will put forth a petition discussion document for the fall meeting to solicit additional feedback while they are waiting for the TR
- **Low acyl gellan gum (SR/JD).** The review of low acyl gellan gum was developed as a proposal initially, and after some discussion about developing it as a discussion document instead, the HS chose to submit a proposal for the Fall meeting. The group discussed whether or not two listings are necessary – low acyl vs high acyl, given that International entities do not make that distinction. The lead noted that because high-acyl gellan gum is listed with an annotation, the NOSB would have to approve this petition, then choose to change the annotation or make an amendment.

Motion to classify low acyl gellan gum as non-agricultural, synthetic

Motion by: SR

Seconded by: JD

Additional discussion: None

Yes: 6 No: 0 Abstain: 1 Absent: 0 Recuse: 0

Motion to add low acyl gellan gum at 205.605(b)

Motion by: SR

Seconded by: JD

Additional discussion: None

Yes: 6 No: 0 Abstain: 1 Absent: 0 Recuse: 0

- **2022 Sunsets: Ozone (SR).** The lead noted the comments from certifiers who indicated wide use of ozone as a sanitizer. Concerns from previous comments were noted and the HS proceeded to a vote.

Motion to remove ozone at 205.605

Motion by: SR

Seconded by: AB

Additional discussion: None

Yes: 0 No: 7 Abstain: 0 Absent: 0 Recuse: 0

- **2022 Sunsets: Cornstarch (native)(AB).** The lead summarized the review and noted public comments about annotating cornstarch to limit use to more specific forms, and to ultimately encourage the production of organic forms. Several members noted the wide availability of organic forms currently, and the group discussed the opportunity to push the industry towards development and use of organic forms. The HS will discuss the potential of adding a work agenda project to develop an annotation. The Subcommittee moved to a vote on the sunset review. Members also discussed the possibility that stakeholders could petition for use of specialty corn starch if the Subcommittee were to vote to remove the general listing.

Motion to remove cornstarch (native) at 205.606

Motion by: AB

Seconded by: SR

Additional discussion: None

Yes: 4 No: 3 Abstain: 0 Absent: 0 Recuse: 0

- **2022 Sunsets: Sweet potato starch (AB).** Discussion deferred to next call.
- **Assign dates for review of 2022 sunsets.** HS Chair will assign discussion dates via email. (ABS note June 5, 2020: See table below for assigned dates)
- **Assign dates for TR determination for 2023 sunsets.** See table below for schedule.
- **Sodium hydroxide TR (MJ).** TR was found sufficient and that information was relayed to NOP
- **Additional items.** None
- **The meeting was adjourned**

## [Previous HS Notes](#)

### Future call schedule (1st and 3rd Tuesdays 1:00 ET)

May 19, 2020

Zein (MJ) - Petition sufficiency

Cetylpyridinium chloride (CPC) - Petition sufficiency

Ion exchange (SE/SR) - Determine need for TR

Low acyl gellan gum (SR) - discuss draft discussion document

June 2, 2020

Assign lead for 2023 Sunset: Chlorine Materials

Cetylpyridinium chloride (CPC) - discuss questions for TR

Low acyl gellan gum (SR) - discuss proposal vs. discussion document

2022 Sunsets: Ozone (SR) - discuss review/vote

2022 Sunsets: Cornstarch (native)(AB) - discuss review/vote

2022 Sunsets: Sweet potato starch (AB) - discuss review/vote

Assign dates for review of 2022 sunsets

Assign dates for TR determination for 2023 sunsets

June 16, 2020

2022 Sunsets: Sweet potato starch (AB) - discuss review/vote

2022 Sunsets: Kaolin (KH) - discuss review/vote  
 2022 Sunsets: Sodium bicarbonate (SE/MJ) - discuss review/vote  
 2022 Sunsets: Waxes - nonsynthetic (Wood resin) (KH) - discuss review/vote  
 Determine 2023 sunset TR needs (ALL)

July 7, 2020

2022 Sunsets: Ammonium bicarbonate (SE/MJ) - discuss review/vote  
 2022 Sunsets: Ammonium carbonate (SE/MJ) - discuss review/vote  
 2022 Sunsets: Calcium phosphates (monobasic, dibasic, and tribasic) (JD) - discuss review/vote  
 2022 Sunsets: Sodium hydroxide (MJ) - discuss review/vote

July 21, 2020

2022 Sunsets: Carnauba wax (KH) - discuss review/vote  
 2022 Sunsets: Colors (18) (SE) - discuss review/vote  
 2022 Sunsets: Glycerin (JD) - discuss review/vote  
 2022 Sunsets: Turkish bay leaves (SR) - discuss review/vote

August 4, 2020

2022 Sunsets: Inulin-oligofructose enriched (IOE) (JD) - discuss review/vote  
 2022 Sunsets: Kelp (ARB) - discuss review/vote  
 2022 Sunsets: Orange shellac-unbleached (KH) - discuss review/vote  
 2022 Sunsets: Whey protein concentrate (ARB) - discuss review/vote  
 Whey protein concentrate (removal from 205.606) - discuss proposal

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

## Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR/JD	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	5.19.20 06.02.20	TBD
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20	4.7.20 06.16.20	Fall 2020

<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH	Petition disc doc	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20.	5.19.20 06.02.20	Fall 2020
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response send to HS 4.6.20. HS sent additional questions to petitioner 5.6.20.	TBD	TBD
Zein	205.606	MJ		Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20.	5.19.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.		Fall 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.		Fall 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. TR sent to HS 03.11.20. <b>TR suff due 05.10.20</b>	5.19.20	Fall 2020
Research Priorities	ALL	RPs due to MS July 2020.		Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\***Highlight** indicates committee action needed. \***Highlight** indicates review completion and/or vote

**2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020**

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	“
Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	07.07.20	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. TR sufficiency due ASAP. TR found sufficient 06.02.20.	07.07.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>	07.21.20	“
Colors (18) Beet juice extract color; Beta-carotene extract color;	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	07.21.20	

Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	07.21.20	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	08.04.20	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	<b>06.02.20</b>	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.16.20	

Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	07.21.20	“
Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	08.04.20	“

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 2, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	
Calcium sulfate—mined	205.605(a)	JD		Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	“

Carrageenan	205.605(a)	MJ/AB		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	“
Glucono delta-lactone	205.605(a)	ARB		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	“
Tartaric acid	205.605(a)	SE		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE		Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD		Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>	06.16.20	
Potassium hydroxide	205.605(b)	MJ		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	“
Silicon dioxide	205.605(b)	AB		Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	06.16.20	
Potassium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	06.16.20	
Sodium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	06.16.20	



Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## Handling Subcommittee (HS) Notes Tuesday, May 19, 2020 1:00 pm ET

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE); Jerry D'Amore (JD); A-dae Briones (ARB)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

### Agenda

- April 7 notes
- Zein (MJ) - Petition sufficiency
- Cetylpyridinium chloride (CPC) - Petition sufficiency
- Ion exchange (SE/SR) - Determine need for TR
- Low acyl gellan gum (SR) - discuss draft discussion document
- Additional items
- Adjourn

### Discussion

- **April 7 notes** were approved as written.
- **Zein (MJ).** Members discussed various aspects of the petition, including quotes from some grain entities, and one member offered to reach out to several grain producers to ask some follow up questions about corn gluten meal. The group discussed zein with regard to the decision tree for agricultural vs. non-agricultural, synthetic vs. non-synthetic, and had some lingering questions about the extraction process and which section of the National List would be appropriate. A member noted that zein is a vegan alternative to orange shellac, which is derived from insect larva. The HS will ask for clarification from the petitioner about the extraction process and will discuss this further on a future call.
- **Cetylpyridinium chloride (CPC) (AB/KH).** The petitioner sent responses to the Handling Subcommittee and the petition was found sufficient. Members discussed possible questions for a TR and may develop a discussion document for the Fall meeting while waiting for the TR.
- **Ion exchange (SE/SR).** The leads will determine TR sufficiency and relay that to the NOP.
- **Low acyl gellan gum (SR).** The lead summarized the uses of low acyl gellan gum, and summarized the reasons a previous NOSB recommended to list the high acyl form and not the low acyl form. Low acyl was deemed synthetic which is why it was not listed. The draft review document, which was formatted as a proposal, includes discussion of each of the OFPA criteria, including manufacture, classification, and human health impacts. Gellan gum is used in producing capsules, and is a vegan alternative to gelatin, as well as carrageenan. The HS will discuss whether to present a proposal or discussion document at the Fall NOSB meeting.
- **Additional items.** None
- **The meeting was adjourned**

[Previous HS Notes](#)

**Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

May 19, 2020

- Zein (MJ) - Petition sufficiency
- Cetylpyridinium chloride (CPC) - Petition sufficiency
- Ion exchange (SE/SR) - Determine need for TR
- Low acyl gellan gum (SR) - discuss draft discussion document

June 2, 2020

- Assign lead for 2023 Sunset: Chlorine Materials
- Cetylpyridinium chloride (CPC) - discuss questions for TR
- Low acyl gellan gum (SR) - discuss proposal vs. discussion document
- 2022 Sunsets: Ozone (SR) - discuss review/vote
- 2022 Sunsets: Cornstarch (native)(AB) - discuss review/vote
- 2022 Sunsets: Sweet potato starch (AB) - discuss review/vote
- Assign dates for review of 2022 sunsets
- Assign dates for TR determination for 2023 sunsets

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

**Work Agenda**

**Petitioned Substances**

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20.	5.19.20 06.02.20	TBD
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20	4.7.20	Fall 2020

<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH		Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. <b>Sufficiency due ASAP</b>	5.19.20 06.02.20	TBD
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response send to HS 4.6.20. HS sent additional questions to petitioner 5.6.20.	TBD	TBD
Zein	205.606	MJ		Petition sent to HS 03.20.20. <b>Sufficiency due 05.19.20</b> . HS sent additional questions to the petitioner.	5.19.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.		Fall 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.		Fall 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. TR sent to HS 03.11.20. <b>TR suff due 05.10.20</b>	5.19.20	Fall 2020
Research Priorities	ALL	RPs due to MS Jan 2020.		Fall 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
Konjac Flour	All	TR sent to HS 1.3.2020 for review.		NA

\***Highlight** indicates committee action needed. \***Highlight** indicates review completion and/or vote

2022 Sunsets - TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>		Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>		
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>		“
Ammonium bicarbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>		“
Ammonium carbonate	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>		
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>		“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	.
Sodium hydroxide	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20. Response due back 5.20.20. Revised TR sent to HS 05.20.20. <b>TR sufficiency due ASAP</b>		“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a> <a href="#">2015/Fall - Rec to Reclassify</a>		“
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color;	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>		

Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)		JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>		
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>		“
Kelp	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>		“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>		“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	“
Sweet potato starch	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	06.02.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>		“

Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>		“
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Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 1, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>		
Calcium sulfate—mined	205.605(a)	JD		Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Carrageenan	205.605(a)	MJ/AB		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Glucono delta-lactone	205.605(a)	ARB		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“

Tartaric acid	205.605(a)	SE		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Cellulose (CAS #9004-34-6)	205.605(b)	SE		Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	TBD		Sunset date: 1/28/2024 <a href="#">2015 TR Hypochlorous Acid</a> <a href="#">2016/Spr Rec to ADD</a>		
Potassium hydroxide	205.605(b)	MJ		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Silicon dioxide	205.605(b)	AB		Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		
Potassium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>		
Sodium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>		

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## Handling Subcommittee (HS) Notes Tuesday, April 7, 2020 1:00 pm ET

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE); Jerry D'Amore (JD); A-dae Briones (ARB)

**Absent:** None

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

### Agenda

- March 17 notes
- Phosphoric acid petition (AB/MJ) - Petitioner Response
- New petition: Zein to section 205.606
- Low acyl gellan gum: set future date for discussion (SR)
- Review ion exchange comments
- Assign leads/determine TR requests for 2023 sunsets
- Discuss public comment
- Up to date on - awaiting responses for:
  - Cetylpyridinium chloride (CPC)
  - Sodium Hydroxide TR
  - Konjac TR
  - Red pepper?
- Whey Protein Concentrate response - discuss
- Confirm Spring sunsets for new members
- Additional items
- Adjourn

### Discussion

- **March 17 notes** were approved as written.
- **Phosphoric acid petition (AB/MJ).** The petitioner sent a response to the Handling Subcommittee's questions, and the HS will send a follow request to the petitioner for additional clarification. The HS discussed whether to bring a discussion document or proposal to the Fall 2020 meeting.
- **New petition: Zein to section 205.606.** Deferred to May 5 call.
- **Low acyl gellan gum: set future date for discussion (SR).** Scheduled for discussion on May 19.
- **Review ion exchange comments.** Deferred to May 5 call.
- **Assign leads/determine TR requests for 2023 sunsets.** See table below.
- **Discuss public comment.** The group discussed the process for reviewing and summarizing public comment.
- **Status update on several substances:**
  - **Cetylpyridinium chloride (CPC)** - Awaiting response from petitioner
  - **Sodium Hydroxide TR** - Awaiting response from TR contractor
- **Whey Protein Concentrate response (ARB).** The lead summarized the petitioner's responses to the Subcommittees questions. The petitioner is requesting removal from 205.606. Members discussed the dual review (the sunset review and the petition) and how to move forward. The lead requested feedback from members and the group will discuss this on a future call. The HS may add some questions about supply in the Fall document.
- **Confirm Spring sunsets for new members.** Completed



- **Additional items.** The NOSB Chair provided logistical information about the Spring 2020 NOSB meeting, given that it will be held virtually instead of in person.
- **The meeting was adjourned**

### [Previous HS Notes](#)

#### **Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

March 17, 2020

Low acyl gellan gum (SR) - discuss additional info/petition sufficiency  
 Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency/discuss TR request  
 Phosphoric acid petition (AB/MJ) - petition sufficiency/discuss TR questions  
 Sodium hydroxide sunset (AB/MJ) - TR sufficiency  
 Fish oil annotation update (AB)

April 7, 2020

Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency/discuss TR request  
 Phosphoric acid petition (AB/MJ) - petition sufficiency/discuss potential questions  
 Assign leads/determine TR requests for 2023 sunsets  
 Discuss public comment

April 21, 2020 - Comment webinar

May 5, 2020

Zein (MJ) - Petition sufficiency  
 Ion exchange (SE/SR) - Determine need for TR

May 19, 2020

Low acyl gellan gum (SR) - discuss draft discussion document

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

### **Work Agenda**

#### **Petitioned Substances**

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20.	11.5.19 11.19.19 03.17.20 5.19.20	TBD

				Petition found sufficient 3.17.20. <b>Determine need for TR 5.19.20</b>		
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20	1.5.19 11.19.19 4.7.20	TBD
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH		Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20.	1.21.20 3.3.20 3.17.20	TBD
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response send to HS 4.6.20. HS will send additional comments to petitioner 4.7.20.	3.3.20 3.17.20 4.7.20	TBD
Zein	205.606	MJ		Petition sent to HS 03.20.20. <b>Sufficiency due 05.19.20</b>	5.5.20	TBD

#### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	1.21.20	Spr 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. TR sent to HS 03.11.20. <b>Suff due 05.10.20</b>	1.7.20 5.5.20	Spr 2020
Research Priorities	ALL	RPs due to MS Jan 2020.	1.21.20	Spr 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold

Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
Konjac Flour	All	TR sent to HS 1.3.2020 for review.	3.3.20 3.17.20	NA

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

### 2022 Sunsets TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ammonium bicarbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12..3.19	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	
Sodium hydroxide— prohibited for use in lye peeling of fruits and vegetables	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20	12.17.19 3.3.20	“
Carnauba wax	205.606	KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“

				<a href="#">2015/Fall - Rec to Reclassify</a>		
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19 02.4.20	
Glycerin (CAS # 56-81-5)	205.606	JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	12.17.19	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.3.19	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.19	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“

Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	2.4.20	“
Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.17.19	“

Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Dec 9, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - VIRTUAL	Apr 28 – Apr 30, 2020

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 2, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

### 2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH		Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	
Calcium sulfate—mined	205.605(a)	JD		Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	“
Carrageenan	205.605(a)	MJ/AB		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	“
Glucono delta-lactone	205.605(a)	ARB		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	“
Tartaric acid—made from grape wine	205.605(a)	SE		Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	“
Cellulose (CAS #9004-34-6)	205.605(b)	SE		Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	“

Potassium hydroxide	205.605(b)	MJ		Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	“
Silicon dioxide	205.605(b)	AB		Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>	4.7.2020	
Potassium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	4.7.2020	
Sodium lactate	205.605(b)	JD		Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>	4.7.2020	

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## **Handling Subcommittee (HS) Notes** **Tuesday, March 17, 2020 1:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE); Jerry D'Amore (JD)

**Absent:** A-dae Briones (ARB)

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

### **Agenda**

- March 3 notes
- Low acyl gellan gum (SR) - discuss additional info/petition sufficiency
- Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency/discuss TR request
- Phosphoric acid petition (AB/MJ) - petition sufficiency/discuss TR questions
- Sodium hydroxide sunset (AB/MJ) - TR sufficiency
- Konjac - review TR questions
- Red jalapeno pepper update
- Ion Exchange TR - assign lead
- Additional items
- Adjourn

### **Discussion**

- **March 3 notes** were approved with minor changes.
- **Low acyl gellan gum (SR).** The petitioner responded to questions from the Subcommittee and the group discussed the responses. The HS received clarification that the petition requests addition to 205.605(a). The Handling Subcommittee found the petition sufficient and will not request a TR at this time. The HS will discuss the potential need for a TR after the draft document is written.
- **Cetylpyridinium chloride (CPC) petition (AB/KH).** The leads discussed the preliminary review of CPC and the HS will seek some additional information from the petitioner before deeming the petition sufficient. The HS will discuss this again on the next call, and may request a TR.
- **Phosphoric acid petition (AB/MJ).** The lead summarized the petition, specifically the annotation about adjusting pH. There is a previous TAP report but it was from 2003, and so the Handling Subcommittee will seek additional information from the petitioner and will discuss a potential limited scope TR on the next call.
- **Sodium hydroxide sunset (AB/MJ).** The lead summarized the use of the material and the TR. The TR was found insufficient at this time, and the HS will forward additional questions to the NOP to send to the TR contractor.
- **Konjac (AB) - review TR questions.** The lead will summarize the Subcommittee's review and send it to the NOP. The TR was requested by the NOP as part of rulemaking, and NOP asked that the HS provide feedback.
- **Red jalapeno pepper update.** The HS deemed the petition insufficient on a previous call, and the NOP notified the petitioner.
- **Ion Exchange TR (AB/SE).** AB and SE volunteered to co-lead the review for ion exchange. The NOP noted that there was a comment in the docket pertaining to ion exchange.
- **Additional items.** None.
- **The meeting was adjourned.**



[Previous HS Notes](#)

**Future call schedule (1st and 3rd Tuesdays 1:00 ET)**

March 3, 2020

- Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency
- Phosphoric acid petition (AB/MJ) - petition sufficiency
- Sodium hydroxide petition - assign lead

March 17, 2020

- Low acyl gellan gum (SR) - discuss additional info/petition sufficiency
- Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency/discuss TR request
- Phosphoric acid petition (AB/MJ) - petition sufficiency/discuss TR questions
- Sodium hydroxide sunset (AB/MJ) - TR sufficiency
- Fish oil annotation update (AB)

April 7, 2020

- Low acyl gellan gum (SR) - discuss draft discussion document
- Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency/discuss TR request
- Phosphoric acid petition (AB/MJ) - petition sufficiency/discuss potential questions
- Assign leads/determine TR requests for 2023 sunsets
- Discuss public comment

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

**Work Agenda**

**Petitioned Substances**

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Response sent to HS 3.5.20. Petition found sufficient 3.17.20. Determine need for TR 4.7.20	11.5.19 11.19.19 03.17.20 4.7.20	TBD

<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20	1.5.19 11.19.19	TBD
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH		Petition sent to HS 01.13.20. Sufficiency due 03.13.20	1.21.20 3.3.20 3.17.20 4.7.20	TBD
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. Sufficiency due 03.28.20	3.3.20 3.17.20 4.7.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	1.21.20	Spr 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. TR sent to HS 03.11.20. Suff due 05.10.20	1.7.20	Spr 2020
Research Priorities	ALL	RPs due to MS Jan 2020.	1.21.20	Spr 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
Konjac Flour	All	TR sent to HS 1.3.2020 for review.	3.3.20 3.17.20	NA

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

2022 Sunsets TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ammonium bicarbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12..3.19	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	
Sodium hydroxide—prohibited for use in lye peeling of fruits and vegetables	205.605(b)	MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20. HS sent additional questions 3.17.20	12.17.19 3.3.20	“
Carnauba wax	205.606	LD KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>  <a href="#">2015/Fall - Rec to Reclassify</a>	12.3.19	“
Colors (18) Beet juice extract color; Beta-carotene extract color;	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19 02.0.4.20	

Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)		JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	12.17.19	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.3.19	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.19	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	

Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	2.4.20	“
Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.17.19	“

Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Dec 9, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020

Fall 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	May 21, 2020
NOSB Request for TRs for 2023 sunset materials	Jul 23, 2020
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Aug 1, 2020
NOSB - Fall 2020 proposals due to NOP	Aug 13, 2020
NOP - Post proposals	On or before Sep 2, 2020
Public comment closes	Oct 2, 2020
NOP - Send compiled public comments to NOSB	~Oct 9, 2020
Discuss/finalize work agendas on ES call	Sep 15, 2020
Public comment webinars	Oct 20 & 22, 2020
Fall 2020 NOSB meeting - Cedar Rapids, IA	Oct 27-29, 2020

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)			Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)			Sunset date: 5/29/2023 <a href="#">2011 TR Enzymes</a> <a href="#">2015 TR Enzymes</a> <a href="#">2016/Fall - Rec to Renew</a>		
Calcium sulfate—mined	205.605(a)			Sunset date: 5/29/2023 <a href="#">2001 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Carrageenan	205.605(a)			Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Glucono delta-lactone	205.605(a)			Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Tartaric acid—made from grape wine	205.605(a)			Sunset date: 5/29/2023 <a href="#">2011 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Cellulose (CAS #9004-34-6)	205.605(b)			Sunset date: 11/3/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Potassium hydroxide	205.605(b)			Sunset date: 5/29/2023 <a href="#">2016 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		“
Silicon dioxide	205.605(b)			Sunset date: 5/29/2023 <a href="#">2010 TR</a> <a href="#">2016/Fall - Rec to Renew</a>		
Chlorine materials...iii. <b>Hypochlorous acid</b> —generated from electrolyzed water.	205.605(b)			Sunset date: 1/28/2024 <a href="#">2006 TR</a> <a href="#">2015 TR</a> <a href="#">2016/Spring - Rec to ADD</a>		
Potassium lactate	205.605(b)			Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>		

Sodium lactate	205.605(b)			Sunset date: 1/28/2024 <a href="#">2015 TR ( Lactic Acid, Sodium Lactate, and Potassium Lactate)</a> <a href="#">2016/Spring - Rec to ADD</a>		
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Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## Handling Subcommittee (HS) Notes Tuesday, March 3, 2020 1:00 pm ET

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ); Steve Ela (SE); Jerry D'Amore (JD)

**Absent:** A-dae Briones (ARB)

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

### Agenda

- February 18 notes
- Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency
- Phosphoric acid petition (AB/MJ) - petition sufficiency
- Konjac Flour TR - AB/KH - Discuss TR
- Sodium hydroxide TR - assign lead
- Whey protein concentrate (WPC)
- Additional items
- Adjourn

### Discussion

- **February 18 notes** were
- **Cetylpyridinium chloride (CPC) petition (AB/KH).** The lead briefly summarized the petitioned use of CPC and the HS will discuss petition sufficiency and determine the need for a TR on the March 17 call.
- **Phosphoric acid petition (AB/MJ).** The leads summarized the petition to amend the use of phosphoric acid to include use as a pH adjuster. The HS will ask for a limited scope TR, and MJ will provide a summary and questions for the next call. The HS will also determine petition sufficiency on the March 17 call.
- **Konjac Flour TR - AB/KH.** The lead provided feedback to the NOP regarding the commercial availability of organic konjac flour, noting that there were four operations listed in the Organic Integrity Database, all in China. The HS recommends sending the TR back to the contractor for some additional information.
- **2022 Sunset: Sodium hydroxide TR.** AB reviewed the TR and will lead the TR sufficiency review.
- **Fish Oil (AB)** The lead has reached out to staff at the National Oceanic and Atmospheric Administration (NOAA) and the Monterey Bay Aquarium seeking feedback about fish oil and sustainability, and will have more to share on a later call.
- **Whey protein concentrate (WPC).** The HS discussed the dual reviews - one for sunset and one for the petition, and the possible ways in which the Board can move forward with both. The HS will ask the petitioner for additional information about the different forms (and availability) of whey protein concentrate. The plan moving forward is to seek feedback from stakeholders at the Spring 2020 NOSB meeting on the sunset review, then move forward with the petition review in the Fall.
- **Additional items.** None.
- **The meeting was adjourned.**

### [Previous HS Notes](#)

### Future call schedule (1st and 3rd Tuesdays 1:00 ET)

February 18, 2020



L-Malic acid reclassification (SR) - discuss and vote

March 3, 2020

Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency

Phosphoric acid petition (AB/MJ) - petition sufficiency

Sodium hydroxide TR (AB/MJ)

March 17, 2020

Low acyl gellan gum (SR) - discuss additional info/petition sufficiency

Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency/discuss TR request

Phosphoric acid petition (AB/MJ) - petition sufficiency/discuss TR questions

2022 Sunset: Sodium hydroxide (AB/MJ) - TR sufficiency

Whey Protein concentrate - Update/finalize questions for petitioner

Fish oil annotation update (AB)

April 7, 2020

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

**Work Agenda**

**Petitioned Substances**

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Waiting for response.	11.5.19 11.19.19	TBD
<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20.	1.5.19 11.19.19	TBD
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH		Petition sent to HS 01.13.20. Sufficiency due 03.13.20	1.21.20 3.3.20	TBD
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. Sufficiency due 03.28.20.	3.3.20	TBD

## Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	1.21.20	Spr 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020.	1.7.20	Spr 2020
Research Priorities	ALL	RPs due to MS Jan 2020.	1.21.20	Spr 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
Konjac Flour	All	TR sent to HS for review only.	3.3.20	

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

## 2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ammonium bicarbonate—for	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“

use only as a leavening agent						
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	
Sodium hydroxide—prohibited for use in lye peeling of fruits and vegetables	205.605(b)	MJ/AB	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a> TR sent to HS 02.6.20. TR Sufficiency due 04.6.20	12.17.19 3.3.20	“
Carnauba wax	205.606	LD KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>  <a href="#">2015/Fall - Rec to Reclassify</a>	12.3.19	“
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color;	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19 02.04.20	

Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)		JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	12.17.19	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.3.19	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.19	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	2.4.20	“
Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.17.19	“

Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Dec 9, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020

Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

## **Handling Subcommittee (HS) Notes** **Tuesday, February 18, 2020 1:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Scott Rice (SR); Kim Huseman (KH); Mindee Jeffery (MJ)

**Absent:** Steve Ela (SE); Scott Rice (SR); A-dae Briones (ARB); Jerry D'Amore (JD)

**Staff:** Michelle Arsenault (MA)

### **Agenda**

- February 4 notes
- L-Malic acid reclassification (SR) - discuss and vote
- Phosphoric acid petition (AB/MJ)/update reminder - sufficiency due 3/28
- Cetylpyridinium chloride (CPC) Petition - TBD. Due 3/13
- Whey Protein petitions update
- Marine Materials - fish stocks update
- Additional items
- Adjourn

### **Discussion**

- **February 4 notes** were approved with no changes
- **L-Malic acid reclassification (SR).** The lead summarized the review of L-malic acid, noting that during the last sunset review certifiers identified an issue with the classification, suggesting that it should be classified as synthetic. The lead asked for feedback from members and the HS discussed putting forth a discussion document instead of a proposal in order to glean additional comments. Members discussed questions to add to the discussion document and will circulate it for voting by 12:00 ET Thursday. NOP added results from email vote below.

Motion to accept the discussion document for L-Malic acid

Motion by: SR

Seconded by: SE

Additional discussion: None

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Phosphoric acid petition (AB/MJ)/update reminder.** Petition sufficiency due 3/28
- **Cetylpyridinium chloride (CPC) petition (AB/KH).** The lead provided some guidance about the review process for the benefit of the new members.
- **Whey protein concentrate petition update (AB/ARB).** AB provided feedback to the lead and will reach out to collect the final version for posting.
- **Fish oil - fish stocks update (AB).** Deferred to next call. AB will reach out to NOAA about fisheries sustainability and will update the HS on the next call.
- **Sodium hydroxide.** TR sufficiency is due in April, and the HS will assign a lead on the next call.
- **Additional items.** None.
- **The meeting was adjourned.**

[Previous HS Notes](#)

### Future call schedule (1st and 3rd Tuesdays 1:00 ET)

February 4, 2020

2022 Sunsets: Cornstarch (AB) – discuss

2022 Sunsets: Sweet potato starch (AB) – discuss

Konjac flour TR - review

February 18, 2020

L-Malic acid reclassification (SR) - discuss and vote

March 3, 2020

Cetylpyridinium chloride (CPC) petition (AB/KH) - petition sufficiency

Phosphoric acid petition (AB/MJ) - petition sufficiency

Sodium hydroxide TR - assign lead

March 17, 2020

April 7, 2020

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

### Work Agenda

### Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Waiting for response.	11.5.19 11.19.19	TBD
<a href="#">Red jalapeño pepper</a>	205.606	SE	Proposal	Petition sent to HS 10.8.19. Sufficiency due 12.6.19. HS sent petitioner follow up questions. Petitioner response sent to HS 1.15.20. HS sent response to petitioner denying review of petition 2.4.20	11.19.19 1.21.20 2.4.20	TBD

<a href="#">Whey protein concentrate</a> (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. <b>Sufficiency due 2.29.20</b>	1.5.19 11.19.19	TBD
<a href="#">Cetylpyridinium chloride (CPC)</a>	205.605	AB/KH		Petition sent to HS 01.13.20. <b>Sufficiency due 03.13.20</b>	1.21.20 3.3.20	TBD
<a href="#">Phosphoric acid - amend annotation</a>	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. <b>Sufficiency due 03.28.20</b>	3.3.20	TBD
Sodium hydroxide	205.605			TR sent to HS 02.6.20. <b>TR Sufficiency due 04.6.20</b>	3.3.20	TBD

### Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	1.21.20	Spr 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020.	1.7.20	Spr 2020
Research Priorities	ALL	RPs due to MS Jan 2020.	1.21.20	Spr 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

\***Highlight** indicates committee action needed. \***Highlight** indicates review completion and/or vote

### 2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020



Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Waxes— nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ammonium bicarbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	
Sodium hydroxide— prohibited for use in lye peeling of fruits and vegetables	205.605(b)	HB MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“
Carnauba wax	205.606	LD KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>  <a href="#">2015/Fall - Rec to Reclassify</a>	12.3.19	“
Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color;	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19 02.04.20	

Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color						
Glycerin (CAS # 56-81-5)		JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	12.17.19	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.3.19	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.19	“
Orange shellac-unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	2.4.20	“
Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.17.19	“

NOP - Publish FRN, Open public comment	Dec 9, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**Handling Subcommittee (HS) Notes**  
**Tuesday, February 4, 2020 1:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Steve Ela (SE); Scott Rice (SR); A-dae Briones (ARB); Jerry D'Amore (JD); Kim Huseman (KH); Mindee Jeffery (MJ)

**Absent:** None

**Staff:** Michelle Arsenault (MA)

**Agenda**

- January 21 notes
- 2022 Sunsets: Cornstarch (AB) - discuss
- 2022 Sunsets: Sweet potato starch (AB) - discuss
- 2022 Sunsets: Food colors (SE/AB)
- Konjac flour TR - Review
- Red Jalapeno Pepper - discuss petition insufficiency comments
- Phosphoric acid petition - sufficiency review/discuss
- Reassign materials to new members
- Additional items
- Adjourn

**Discussion**

- **Notes from January 21** were approved with a minor change.
- **2022 Sunsets: Cornstarch (AB).** The lead summarized the uses and manufacture of cornstarch. The members provided some minor modifications and the HS will submit the document for the Spring meeting docket.
- **2022 Sunsets: Sweet potato starch (AB).** The lead summarized the uses of sweet potato starch which is annotated at 205.606: Sweet potato starch - for bean thread production only. The lead noted that there was little information about manufacture, and it is not listed in any of the international standards. The HS will add a question about essentiality and forward to the NOP for the Spring meeting.
- **2022 Sunsets: Colors (SE).** The lead summarized the previous review for the colors, and noted that the NOSB is interested in hearing from the community about what colors are needed, and if there are any that are not needed. He noted that many colors are now being produced organically. Based on stakeholder feedback, the HS may group the colors for voting at the Fall meeting for expediency.
- **Konjac flour TR (SR).** The Handling Subcommittee will respond to the NOP by March 3. KH and AB will review the TR. A member noted that the NOSB voted to remove this from the list because there was no indication that it was being used, and the NOP contracted a TR to aid in its review for rulemaking. The NOSB would like more information regarding commercial availability.
- **Red Jalapeno Pepper.** The HS forwarded a letter to the NOP to send to the petitioner regarding its decision to not review the petition. The petitioner previously provided additional information upon request, indicating that the cost of producing red jalapeno pepper was prohibitive, but cost is not a criterion the NOSB can use to determine whether a substance should be added to the National List, therefore the HS rejected the petition.
- **Phosphoric acid petition (AB/MJ).** The lead noted that upon initial review the petition may not be complete, and will discuss this further on March 3.

- **Reassign materials to new members.** New members volunteered to review materials that were previously being led by members whose terms ended in January. See table below.
- **Additional items.** None
- **Whey protein concentrate petition** to remove from 205.606 (ARB). The lead will send additional questions for the petitioner to the HS Chair for input, who will then send them to the NOP.
- **The meeting was adjourned.**

[Previous HS Notes](#)

**Future Call Schedule (1<sup>st</sup> and 3<sup>rd</sup> Tuesdays 1:00 ET)**

January 21, 2020

- 2022 Sunsets: Kelp (ARB) - discuss
- 2022 Sunsets: Whey protein concentrate (ARB) - discuss
- Fish oil discussion document (TC)
- Research priorities discussion document - discuss

February 4, 2020

- 2022 Sunsets: Cornstarch (AB) - discuss
- 2022 Sunsets: Sweet potato starch (AB) - discuss
- Konjac flour TR - review

February 18, 2020

- L-Malic acid reclassification (SR). Discuss and vote

March 3, 2020

- Cetylpyridinium chloride (CPC) - assign lead
- Phosphoric acid petition. Discuss

March 17, 2020

April 7, 2020

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

**Work Agenda**

Petitioned Substances						
Substance	National List §	Contact	Doc type	Notes*	Scheduled, Discussed, Voted	Target meeting

<a href="#">Low acyl gellan gum</a>	205.605	LD/SR	Propo sal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Waiting for response.	11.5.19 11.19.19	TBD
<a href="#">Red jalapeño pepper</a>	205.606	SE	Propo sal	Petition sent to HS 10.8.19. Sufficiency due 12.6.19. HS sent petitioner follow up questions. Petitioner response sent to HS 1.15.20. HS sent response to petitioner denying review of petition 2.4.20	11.19.19 1.21.20 2.4.20	TBD
Whey protein concentrate (removal from 205.606)	205.606	ARB	Propo sal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20	1.21.20 2.4.20	
Cetylpyridinium chloride (CPC)	205.605	TBD		Petition sent to HS 01.13.20. Sufficiency due 03.13.20	1.21.20 3.3.20	
Phosphoric acid – amend annotation	205.605(b)	AB/MJ		Petition sent to HS 01.28.20. Sufficiency due 03.28.20	3.3.20	

Other projects					
Name	Contact	Notes*		Scheduled, Discussed, Voted	Target meeting
Fish oil annotation	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.		1.21.20	Spr 2020
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.		2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020.		1.7.20	Spr 2020
Research Priorities	ALL	RPs due to MS Jan 2020.		1.21.20	Spr 2020
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.		TBD	Discussi on doc On hold
Nutrient Vitamins and Minerals - annotation change	?	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.		TBD	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

## 2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR re-quest?	Notes	Scheduled, Discussed	Target meeting
Kaolin	205.605(a)	KH	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“
Waxes—nonsynthetic (Wood resin)	205.605(a)	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ammonium bicarbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE MJ	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	“
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	JD	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	“
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	“
Sodium hydroxide—prohibited for use in lye peeling of fruits and vegetables	205.605(b)	HB MJ	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“
Carnauba wax	205.606	LD KH	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	

Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	SE	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">12.17.19</a> <a href="#">02.04.20</a>	
Glycerin (CAS # 56-81-5)		JD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	<a href="#">12.17.19</a>	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	JD	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	<a href="#">12.3.19</a>	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">1.21.19</a>	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	KH	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">12.17.19</a>	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">2.4.20</a>	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">2.4.20</a>	“
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	<a href="#">12.17.19</a>	“



Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	1.21.19	“
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Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 15, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 29 - May 1, 2020

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**Handling Subcommittee (HS) Notes**  
**Tuesday, January 21, 2020 1:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Lisa de Lima (LD), Vice Chair; Steve Ela (SE); Tom Chapman (TC); Scott Rice (SR); Harriet Behar (HB); A-dae Briones (ARB); Jerry D'Amore (JD) - observer; Kim Huseman (KH) - observer, Mindee Jeffery (MJ) - observer

**Absent:** None

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

**Agenda**

- January 7 notes
- 2022 Sunsets: Kelp (ARB) - discuss
- 2022 Sunsets: Whey protein concentrate (ARB) - discuss
- Whey protein concentrate petition for removal (TC/HB)
- Fish oil discussion document (TC) - discuss/vote
- Research priorities discussion document - discuss
- Red Jalapeno Pepper Petition Responses (SE)
- CPC petition for poultry processing - assign lead
- Konjac TR - update
- Additional items
- Adjourn

**Discussion**

- **Notes from** January 7 were accepted as is.
- **2022 Sunsets: Kelp (ARB).** The lead summarized the substance. Kelp is listed at 205.606 and is used as a thickener and dietary supplement. The HS discussed questions about supply which were added to the Spring 2020 review. A member noted that there was an NOP memo regarding certified organic kelp (NOP response to comments 5027-1). A member asked about the difference between the requirement for organic livestock feed and use for human consumption.
- **2022 Sunsets: Whey protein concentrate (ARB).** The lead summarized the material, its uses, and its previous reviews. Members suggested some questions for the sunset review and also discussed this review in relation to the whey protein concentrate petition for removal.
- **Whey protein concentrate petition for removal (TC/HB/ARB).** Members discussed the petition, and felt that it was insufficient with regard to information about commercial availability and capacity in the market. The HS will send some additional questions to the petitioner before moving forward with further discussion.
- **Fish oil discussion document (TC/AB).** The HS briefly discussed the fish oil discussion document and would like to seek input from NOAA, as NOAA provided feedback about the aquaculture standards proposed rule. The members discussed asking a representative to talk at the Spring 2020 NOSB. The HS Chair will work to find a contact at NOAA and NOP will review the previous aquaculture documents to find a possible contact.

Motion to accept the discussion document on fish oil.

Motion by: TC

Seconded by: HB

Additional discussion: None

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Research priorities (RP) discussion document.** The HS Chair circulated the previous RPs to the group and the members discussed which items to keep, remove, or add to the list. As an example, the Chair noted that the USDA has funded research for celery powder which is underway. A review of previous public comments revealed no additional research suggestions.
- **Red Jalapeno Pepper Petition Responses (SE).** The HS will seek additional information from the petitioner about supply and barriers to sourcing organic.
- **CPC petition for poultry processing - assign lead.** Petition sufficiency is due March 13, 2020. The HS will defer the assignment of a lead reviewer to the next call when new NOSB members join the Subcommittee. One member provided some feedback about alternatives and the group will discuss it more on the next call.
- **Konjac TR - update.** Deferred to next call.
- **Additional items.** None.
- **The meeting was adjourned.**

### [Previous HS Notes](#)

#### **Future Call Schedule (1<sup>st</sup> and 3<sup>rd</sup> Tuesdays 1:00 ET)**

January 7, 2020

2022 Sunsets: Ozone (SR) - discuss  
Fish oil discussion document (TC)  
Ion exchange draft discussion document (SE/SR) – discuss  
L-Malic acid reclassification - discuss  
Research priorities - discuss discussion document  
Konjac flour TR discussion  
Thoughts on 205.606 (HB)

January 21, 2020

2022 Sunsets: Kelp (ARB) - discuss  
2022 Sunsets: Whey protein concentrate (ARB) - discuss  
Fish oil discussion document (TC)  
Research priorities discussion document - discuss

February 4, 2020

2022 Sunsets: Cornstarch (AB) - discuss  
2022 Sunsets: Sweet potato starch (AB) - discuss  
Konjac flour TR - Review

February 18, 2020

L-Malic acid reclassification (TC/SR?). Discuss and vote

March 3, 2020

March 17, 2020

April 7, 2020

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020  
 October 20, 2020  
 November 3, 2020  
 November 17, 2020  
 December 1, 2020  
 December 15, 2020

## Work Agenda

Petitioned Substances						
Substance	National List §	Contact	Doc type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	LD/SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 1.6.19. Waiting for response.	11.5.19 11.19.19	TBD
<a href="#">Red jalapeño pepper</a>	205.606	SE	Proposal	Petition sent to HS 10.8.19. Sufficiency due 12.6.19. HS sent petitioner follow up questions. Petitioner response sent to HS 1.15.20	11.19.19 1.21.20	TBD
Whey protein concentrate (removal from 205.606)	205.606		Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20	1.21.20 2.4.20	
Cetylpyridinium chloride (CPC)	205.605			Petition sent to HS 01.13.20. Sufficiency due 03.13.20	1.21.20 2.4.20	

Other projects			
Name	Contact	Notes*	Target meeting
Fish oil annotation	TC, HB, AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. Disc/vote discussion doc 1.21.20	Spr 2020
L-Malic acid reclassification	TC/SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. Disc/vote on proposal 2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. Voted 1.7.20	Spr 2020
Research Priorities	TC/ALL	RPs due to MS Jan 2020. Discuss 1.21.20.	Spr 2020
Packaging substances used in organic food handling - including BPA	LD/AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep - delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	Discussion doc On hold

Nutrient Vitamins and Minerals - annotation change	TC	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD
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\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

## 2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
Kaolin	205.605(a)	LD	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	"
Waxes—nonsynthetic (Wood resin)	205.605(a)	LD	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	"
Ammonium bicarbonate—for use only as a leavening agent	205.605(b)	SE	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	"
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	"
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	TC	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	"
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	"
Sodium hydroxide—prohibited for use in lye peeling of fruits and vegetables	205.605(b)	HB	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	"
Carnauba wax	205.606	LD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	

Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	TC	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">12.17.19</a>	
Glycerin (CAS # 56-81-5)		TC	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	<a href="#">12.17.19</a>	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	TC	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	<a href="#">12.3.19</a>	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">1.21.19</a>	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	HB	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	<a href="#">12.17.19</a>	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	2.4.20	“
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	<a href="#">12.17.19</a>	“

Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	<u>1.21.19</u>	“
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Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 15, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020



Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**Handling Subcommittee (HS) Notes**  
**Tuesday, January 7, 2020 1:00 pm ET**

**Present:** Asa Bradman (AB), Chair; Lisa de Lima (LD), Vice Chair; Steve Ela (SE); Scott Rice (SR); Harriet Behar (HB); A-dae Briones (ARB); Jerry D'Amore (JD) - observer; Kim Huseman (KH) - observer, Mindee (MJ) - observer; Jesse Buie (JB) - observer

**Absent:** Tom Chapman (TC)

**Staff:** Michelle Arsenault (MA); Devon Pattillo (DP)

**Agenda**

- December 17 notes
- 2022 Sunsets: Ozone (SR) - discuss
- Fish oil discussion document (TC) - discuss
- Ion exchange draft discussion document (HB/SE/SR) - discuss
- L-Malic acid reclassification (TC/SR?)
- Research priorities - discuss discussion document
- Thoughts on 205.606 (HB)
- Additional items
- Adjourn

**Discussion**

- **Notes from December 17** were approved as is
- **2022 Sunsets: Ozone (SR)**. The lead summarized the review for ozone and will submit the document for the Spring meeting. The lead noted that the original tap, from 1995, was limited and the NOSB may want to consider an updated one.
- **2022 Sunsets: Kelp (ARB)**. Deferred to next call.
- **2022 Sunsets: Whey protein concentrate (WPC) (ARB)**. Deferred to next call. A member asked how to move forward with the review given that the NOSB also received a petition to remove WPC. The NOSB must complete the sunset review and will then review the petition. ABR will lead both reviews.
- **Fish oil discussion document (TC)**. Members briefly discussed the draft document, and will forward questions to the lead. Further discussion was scheduled for the January 21 call.
- **Ion exchange draft discussion document (HB/SE/SR)**. The lead summarized the discussion document, noting that the HS requested a TR, which is due in ~ mid-January 2020. The Subcommittee voted to move this forward for full-Board discussion.

Motion to accept the discussion document on ion exchange

Motion by: HB

Seconded by: LD

Additional discussion: None

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **L-Malic acid reclassification (TC/SR?)**. The HS members had no additional comments on the draft document. The lead will complete the document and the HS will vote on it on February 18.

- **Low acyl gellen gum petition (LD/SR).** The HS sent additional questions to the petitioner in November 2019 and will continue its discussion and determine petition sufficiency at a later date.
- **2022 Sunsets: Colors (TC/LD).** The HS will review the colors individually, since they are listed that way on the National List. This will also facilitate voting if they decide to remove any. LD will review the list and identify any that may be candidates for removal. SE will lead this review when TC rotates off.
- **Konjac flour TR.** The NOP contracted a TR for use during the rulemaking phase and has asked that the NOSB review it. The focus of the TR was on sources and use. SR will review the TR along with one of the new NOSB members.
- **Research priorities - discuss discussion document.** The HS will review the research priorities on the January 21 call and send them to the Materials Subcommittee in advance of the February 11 MS call.
- **Thoughts on 205.606 (HB).** HB suggested adding language to the petition guidance asking petitioners who are petitioning substances for addition to 205.606 to provide information regarding source limitations and possible barriers to commercial organic production.
- **Additional items.** None.
- **The meeting was adjourned.**

### [Previous HS Notes](#)

#### **Future Call Schedule (1<sup>st</sup> and 3<sup>rd</sup> Tuesdays 1:00 ET)**

December 17, 2019

- 2022 Sunsets: Colors (18) (TC) - discuss
- 2022 Sunsets: Glycerin (TC) - discuss
- 2022 Sunsets: Sodium hydroxide (HB) - discuss
- 2022 Sunsets: Orange shellac (HB) - discuss
- 2022 Sunsets: Turkish bay leaves (SR) - discuss

January 7, 2020

- 2022 Sunsets: Ozone (SR) - discuss
- Fish oil discussion document (TC)
- Ion exchange draft discussion document (SE/SR) – discuss
- L-Malic acid reclassification - discuss
- Research priorities - discuss discussion document
- Konjac flour TR discussion
- Thoughts on 205.606 (HB).

January 21, 2020

- 2022 Sunsets: Kelp (ARB) - discuss
- 2022 Sunsets: Whey protein concentrate (ARB) - discuss
- 2022 Sunsets: Cornstarch (AB) - discuss
- 2022 Sunsets: Sweet potato starch (AB) - discuss
- Fish oil discussion document (TC)
- Research priorities discussion document - discuss

February 4, 2020

- Konjac flour TR.

February 18, 2020

- L-Malic acid reclassification (TC/SR). Discuss and vote
- Whey protein concentrate petition (ARB) - petition sufficiency

March 3, 2020

March 17, 2020

April 7, 2020

April 21, 2020

May 5, 2020  
 May 19, 2020  
 June 2, 2020  
 June 16, 2020  
 July 7, 2020  
 July 21, 2020  
 August 4, 2020  
 August 18, 2020  
 September 1, 2020  
 September 15, 2020  
 October 6, 2020  
 October 20, 2020  
 November 3, 2020  
 November 17, 2020  
 December 1, 2020  
 December 15, 2020

## Work Agenda

### Petitioned Substances

Substance	National List §	Contact	Doc type	Notes*	Scheduled, Discussed, Voted	Target meeting
<a href="#">Low acyl gellan gum</a>	205.605	LD/SR	Proposal	Petition sent to HS 9.17.19. Sufficiency due 11.15.19. HS sent additional questions to petitioner 11.7.19 - waiting for response.	11.5.19 11.19.19	TBD
<a href="#">Red jalapeño pepper</a>	205.606	SE	Proposal	Petition sent to HS 10.8.19. Sufficiency due 12.6.19	11.19.19	TBD
Whey protein concentrate (removal from 205.606)	205.606	ARB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20	2.18.20	

### Other projects

Name	Contact	Notes*	Target meeting
Fish oil annotation	TC, HB, AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. Disc/vote discussion doc 1.21.20	Spr 2020
L-Malic acid reclassification	TC/SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. Disc/vote on 2.18.20	Spr 2020
Ion exchange filtration	SE/SR	<a href="#">NOP memo</a> sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. Discussion doc Spr 2020. Voted 1.7.20	Spr 2020
Research Priorities	TC/ALL	RPs due to MS Jan 2020. Disc 1.21.20.	Spring 2020

Packaging substances used in organic food handling - including BPA	LD/AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep - delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	TC	<a href="#">2011 NOSB recommendation DHA</a> <a href="#">2011 NOSB recommendation ARA</a> Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD

\*Highlight indicates committee action needed. \*Highlight indicates review completion and/or vote

## 2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
Kaolin	205.605(a)	LD	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	Summary: Spr 2020 Review: Fall 2020
Sodium bicarbonate	205.605(a)	SE	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	"
Waxes—nonsynthetic (Wood resin)	205.605(a)	LD	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	"
Ammonium bicarbonate—for use only as a leavening agent	205.605(b)	SE	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	"
Ammonium carbonate—for use only as a leavening agent	205.605(b)	SE	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	11.19.19	"
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)	TC	N	Sunset date 3/15/2022 <a href="#">2016 TR for Phosphates</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	"
Ozone	205.605(b)	SR	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.7.20	"
Sodium hydroxide—prohibited for use in lye peeling of fruits and vegetables	205.605(b)	HB	Y	Sunset date 3/15/2022 TAP: 1995 <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	"
Carnauba wax	205.606	LD	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.3.19	

Colors (18) Beet juice extract color; Beta-carotene extract color; Black currant juice color; Black/purple carrot juice color; Blueberry juice color; Carrot juice color; Cherry juice color; Chokeberry, aronia juice color; Elderberry juice color; Grape juice color; Grape skin extract color; Paprika color; Pumpkin juice color; Purple sweet potato juice color; Red cabbage extract color; Red radish extract color; Saffron extract color; Turmeric extract color	205.606	TC	N	Sunset date: Beta carotene 5/29/2023; All others 3/15/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	
Glycerin (CAS # 56-81-5)		TC	N	Sunset date: 3/15/2022 (different section of List) <a href="#">2013 TR</a>	12.17.19	
Inulin-oligofructose enriched (IOE) (CAS # 9005-80-5)	205.606	TC	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	12.3.19	“
Kelp—for use only as a thickener and dietary supplement	205.606	ARB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.19	“
Orange shellac- unbleached (CAS # 9000-59-3)	205.606	HB	N	Sunset date 3/15/2022 <a href="#">2014 TR</a> <a href="#">2015/Fall - Rec to Renew</a>	12.17.19	“
Cornstarch (native)	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.20	“
Sweet potato starch—for bean thread production only.	205.606	AB	N	Sunset date 3/15/2022 TR: None <a href="#">2015/Fall - Rec to Renew</a>	1.21.20	“
Turkish bay leaves	205.606	SR	N	Sunset date 6/27/2022 TR: None <a href="#">2015/Fall - Rec to Remove</a>	12.17.19	“

Whey protein concentrate	205.606	ARB	N	Sunset date 6/27/2022 <a href="#">2015 TR</a> <a href="#">2015/Fall - Rec to Remove</a>	1.21.19	“
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Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 15, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020