

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 20, 2021 1:00 pm ET

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Carolyn Dimitri (CD); Wood Turner (WT); Steve Ela (SE); Kyla Smith (KS); Kim Huseman (KH)

Absent: None

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

Agenda

- Review July 6, 2021 notes
- 2023 Sunset: Potassium lactate (JD) - Discuss review/vote
- 2023 Sunset: Sodium lactate (JD) - Discuss review/vote
- 2023 Sunset: Agar-agar (KH) - Discuss review/vote
- 2023 Sunset: Animal enzymes (KH) - Discuss review/vote
- Zein (JD) - Discuss proposal/vote
- Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal (pending receipt of TR addendum)
- Fish oil annotation (AB) - Discuss proposal
- Additional items
- Adjourn

Discussion

- **July 6, 2021 notes were** accepted as written.
- **2023 Sunset: Potassium lactate (JD).** The HS discussed both potassium lactate and sodium lactate during the last call. The lead presented a brief summary of both of the substances and public comment, and the group moved to a vote.

Motion to remove potassium lactate from the NL

Motion by: JD

Seconded by: SE

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

- **2023 Sunset: Sodium lactate (JD).** The lead noted that sodium lactate is sometimes used as a substitute for potassium lactate, but other than that, the review is the same as noted above.

Motion to remove sodium lactate from the NL

Motion by: JD

Seconded by: KH

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

- **2023 Sunset: Agar-agar (KH).** The lead summarized the uses of agar-agar, noting sources that are used for extraction. Public commenters from the Spring meeting supported relisting, and some noted the distinction between synthetic vs non-synthetic forms. A member noted that agar-agar is listed at §205.605 as a non-synthetic, and that would presume that the species it comes from was the non-synthetic form, however according to the certifier member, all extraction methods of agar-agar are considered synthetic, despite the fact that it is listed at 205.605(a) The group discussed potential reclassification and will add some questions to the review for public comment. The HS may request a TR?

Motion to remove agar-agar from the NL

Motion by: KH

Seconded by: JD

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

- **2023 Sunset: Animal enzymes (KH).** Animal enzymes are used in cheese production and there are no organic alternatives (or commercial availability of organic enzymes. The lead noted that the dairy industry was vocal when it came to comments, one commenter mentioned the need to review ancillary substances, and all other commenters were in support of relisting.

Motion to remove animal enzymes from the NL

Motion by: KH

Seconded by: JD

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

- **Zein (JD).** The lead summarized the substance and noted that the HS has also discussed zein during the last two calls. Zein is being petitioned for use as a coating for vegan capsules, and there are no organic sources. Additionally, the petitioner does not restrict zein to this particular use. The group emphasized that zein is an agricultural substance. The lead will revise the draft document based on today's conversation and the HS will vote on the next call.
- **Fish oil annotation (AB).** The HS discussed the current draft proposal and the three proposed annotations and the group discussed the pros and cons of each. The lead received comments from several stakeholder group and received written comments from the Marine Stewardship Council (MSC), which were submitted to the [open comment docket](#). There was support for the annotation regarding a third-party certification. A member noted the need for consistency with the previous NOSB recommendation for Marine Materials.
- **Cetylpyridinium chloride (CPC) (AB/KH).** Deferred to next call.
- **Additional items.** None.
- **The meeting was adjourned**

[Previous HS Notes](#)

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

July 6, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote

2023 Sunset: Tartaric acid (SE) - Discuss review/vote

2023 Sunset: Potassium hydroxide (SE) - Discuss review/vote

2023 Sunset: Potassium lactate (JD) - Discuss review/vote

2023 Sunset: Sodium lactate (JD) - Discuss review/vote

Zein (JD) - Discuss proposal/vote

July 20, 2021

2023 Sunset: Potassium lactate (JD) - Discuss review/vote

2023 Sunset: Sodium lactate (JD) - Discuss review/vote

2023 Sunset: Agar-agar (KH) - Discuss review/vote

2023 Sunset: Animal enzymes (KH) - Discuss review/vote

Zein (JD) - Discuss proposal/vote

Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal (pending receipt of TR addendum)

Fish oil annotation (AB) - Discuss proposal

August 3, 2021

Zein (JD) - Discuss proposal/vote

Phosphoric acid - amend annotation (KS/AB) - Discuss proposal/vote (TR pending)

Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal/vote

Fish oil annotation (AB) - Discuss proposal/vote

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS sent additional questions to TR contractor 3.16.21. DRAFT TR sent to CS 6.28.21.	5.19.20 06.02.20 07.21.20 3.16.21 8.3.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	KS/AB	Proposal	2003 TR 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 requested a full TR 12.1.20. TR due ~Jul.	8.3.21	Fall 2021

Zein	205.606	JD	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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	6.15.21 7.6.21 7.20.21 8.3.21	Fall 2021
Peroxylic Acid ("PLA")	205.605(b)	JD	TBD	Petition sent to HS 04.07.21. Petition sufficiency due 6.6.21. Petition found sufficient 6.1.21. HS requested a TR.	5.18.21 6.1.21	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.	7.20.21 8.3.21	Fall 2021
L-Malic acid reclassification	TBD	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. On hold.	TBD	TBD
Research Priorities	ALL	RPs due to MS 7.20.21.	7.6.21	Fall 2021

*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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.20.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	7.20.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	6.1.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	6.15.21	"
Glucono delta-lactone	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	"

Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.6.21	“
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	6.1.21	“
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: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	6.15.21	“
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	6.15.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21 7.20.21	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21 7.20.21	“

2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgite	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 2010 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)	WT	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Diatomaceous earth	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Magnesium chloride	205.605(a)	KS	N	Sunset date: 11.22.24 TR: 1995 TAP ; 2016 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Nitrogen	205.605(a)	KS	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium carbonate	205.605(a)	AB	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Acidified sodium chlorite	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 2008 TAP ; 2013 TR (livestock) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Carbon dioxide	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2006 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium phosphates	205.605(b)	WT	N	Sunset date: 10.30.24 TR: 2001 TAP ; 2016 TR (phosphates) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Casings	205.606(b)	JD	N	Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Pectin	205.606(p)	JD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE	5.18.21 6.1.21	“ “
Potassium acid tartrate	205.606(q)	AB	N	Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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Handling Subcommittee (HS) Notes Tuesday, July 6, 2021 1:00 pm ET

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Carolyn Dimitri (CD); Wood Turner (WT); Steve Ela (SE)

Absent: Kyla Smith (KS); Kim Huseman (KH)

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

Agenda

- Review June 15, 2021 notes
- Carrageenan (JD) - follow up
- Research Priorities - Discuss and send to MS
- 2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote
- 2023 Sunset: Tartaric acid (SE) - Discuss review/vote
- 2023 Sunset: Potassium hydroxide (SE) - Discuss review/vote
- 2023 Sunset: Potassium lactate (JD) - Discuss review/vote
- 2023 Sunset: Sodium lactate (JD) - Discuss review/vote
- Zein (JD) - Discuss proposal/vote
- Additional items
- Adjourn

Discussion

- **June 15, 2021** notes were accepted as written
- **Carrageenan (JD)**. The lead will contact Subcommittee members to finalize the carrageenan review before submitting it to the NOP.
- **Research Priorities**. The HS discussed the Spring version of the research priorities list and will not add or delete any priorities for the Fall posting. The HS Chair will send an email to the Materials Subcommittee confirming the Handling priorities.
- **2023 Sunset: Glucono delta-lactone (GDL) (WT)**. The lead summarized the uses of GDL, which is primarily used for production of tofu. It appears to be in limited use, although the operations that are using it argued to have it remain on the National List. Commenters expressed concerns about synthetic GDL production and excluded methods, and suggested clarification of the annotation. The HS supports relisting and will include questions in the review to solicit feedback about the need for an annotation change to address these concerns.

Motion to remove glucono delta-lactone from the NL

Motion by: WT

Seconded by: JD

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

- **2023 Sunset: Tartaric acid (SE)**. The lead summarized the use and manufacture of tartaric acid which is made from wine grapes. Tartaric acid has a very wide variety of uses including use as an acidulant, pH control agent, preservative, emulsifier, chelating agent, flavor enhancer and modifier, stabilizer, anti-caking agent, and firming agent. The HS supports relisting at this time.

Motion to remove tartaric acid from the NL

Motion by: SE

Seconded by: JD

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

- **2023 Sunset: Potassium hydroxide (SE).** The lead summarized the public comments from the Spring meeting, which were mixed. Potassium hydroxide is in wide use and has a wide variety of uses, such as a pH adjuster, cleaning agent, stabilizer, thickener, etc. The HS also discussed a possible annotation change, given that the current annotation is written in the negative, rather than positively identifying when the substance can be used. The HS supports relisting based on essentiality.

Motion to remove potassium hydroxide from the NL

Motion by: SE

Seconded by: AB

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

- **2023 Sunset: Potassium lactate/ Sodium lactate (JD).** The lead summarized both potassium and sodium lactate. Both are antimicrobials and pH regulators, both are GRAS, both have similar uses, with some small differences. There is also a difference between US and International standards. The lead will circulate the draft reviews and the HS will vote on the next call.
- **Zein (JD).** The HS discussed zein on the last call and continued the conversation. Zein is being petitioned as a protective coating in capsules that is a vegan alternative. There are no known organic sources of zein. There were eight comments at the Spring meeting, and six of the eight were opposed to listing, and two had no opinion. One member noted that zein seems innocuous, and would support listing for use in supplements, but not as coating in fruits and vegetables. Other members echoed concerns about unintended uses. The lead will modify the document and the HS will discuss and vote on the next call.
- **Additional items.** None.
- **The meeting was adjourned**

[Previous HS Notes](#)

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

June 15, 2021

Zein (JD) - Discuss proposal

2023 Sunset: Chlorine materials (AB) - Discuss review/vote

2023 Sunset: Silicon dioxide (KS) - Discuss review/vote

2023 Sunset: Carrageenan (JD/AB) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote

2023 Sunset: Tartaric acid (SE) - Discuss review/vote

2023 Sunset: Potassium hydroxide (SE) - Discuss review/vote

2023 Sunset: Potassium lactate (JD) - Discuss review/vote

2023 Sunset: Sodium lactate (JD) - Discuss review/vote

Zein (JD) - Discuss proposal/vote

July 20, 2021

2023 Sunset: Potassium lactate (JD) - Discuss review/vote

2023 Sunset: Sodium lactate (JD) - Discuss review/vote

2023 Sunset: Agar-agar (KH) - Discuss review/vote

2023 Sunset: Animal enzymes (KH) - Discuss review/vote

Zein (JD) - Discuss proposal/vote

Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal/vote

Fish oil annotation (AB) - Discuss proposal

August 3, 2021

Phosphoric acid - amend annotation (KS/AB) - Discuss proposal (pending receipt of TR)

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation.	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS sent additional questions to TR contractor 3.16.21. Draft TRr sent to HS 6.28.21	5.19.20 06.02.20 07.21.20 3.16.21 7.20.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	KS/AB	Proposal	2003 TR 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 requested a full TR 12.1.20. TR due ~Jul.	8.3.21	Fall 2021

Zein	205.606	JD	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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	6.15.21 7.6.21 7.20.21	Fall 2021
Peroxylic Acid ("PLA")	205.605(b)	JD	TBD	Petition sent to HS 04.07.21. Petition sufficiency due 6.6.21. Petition found sufficient 6.1.21. HS requested a TR.	5.18.21 6.1.21	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.	7.20.21	Fall 2021
L-Malic acid reclassification	what	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	TBD
Research Priorities	ALL	RPs due to MS 7.20.21.	7.6.21	Fall 2021

*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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.20.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	7.20.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	6.1.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	6.15.21	"
Glucono delta-lactone	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	"

Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.6.21	“
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	6.1.21	“
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: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	6.15.21	“
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	6.15.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21 7.20.21	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21 7.20.21	“

2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgitte	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 2010 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)	WT	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Diatomaceous earth	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Magnesium chloride	205.605(a)	KS	N	Sunset date: 11.22.24 TR: 1995 TAP ; 2016 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Nitrogen	205.605(a)	KS	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium carbonate	205.605(a)	AB	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Acidified sodium chlorite	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 2008 TAP ; 2013 TR (livestock) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Carbon dioxide	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2006 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium phosphates	205.605(b)	WT	N	Sunset date: 10.30.24 TR: 2001 TAP ; 2016 TR (phosphates) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Casings	205.606(b)	JD	N	Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Pectin	205.606(p)	JD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE	5.18.21 6.1.21	“ “
Potassium acid tartrate	205.606(q)	AB	N	Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
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Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 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, June 15, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Kyla Smith (KS); Carolyn Dimitri (CD); Wood Turner (WT); Kim Huseman (KH)

Absent: Steve Ela (SE)

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

Agenda

- Review June 1, 2021 notes
- Zein (JD) - Discuss proposal
- 2023 Sunset: Chlorine materials (AB) - Discuss review/vote
- 2023 Sunset: Silicon dioxide (KS) - Discuss review/vote
- 2023 Sunset: Carrageenan (JD/AB) - Discuss review/vote
- 2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote
- Additional items
- Adjourn

Discussion

- **June 1, 2021 notes** accepted as written.
- **Ion exchange update (NOP).** The NOP met with several divisions at the Food and Drug Administration (FDA) regarding ion exchange resins to help clarify the lingering questions from the Spring 2021 NOSB recommendation. The FDA defines both food contact substances and secondary food additives, but the latter is not codified in the FDA regulations. Also, the FDA reviews ion exchange resins on a case by case basis and not as a category. The NOP will send a written summary to the NOSB, in the form of a memo to the Board, so they can determine what the next steps would be should they decide to continue to work on this.
- **Zein (JD).** The lead summarized the petitioned uses and the proposal for zein. Zein is being petitioned for addition to 205.606, as it has no known organic sources. According to the petitioner, zein has unique properties as a vegan coating for gel capsules. A member asked about GMOs and it appears that zein is not made from excluded methods. Members discussed criteria by which they review substances under OFPA. The HS presented a discussion document at the Spring 2021 meeting and intends on presenting a proposal at the Fall 2021 meeting.
- **2023 Sunset: Chlorine materials (AB).** The lead highlighted the text that was added to the draft review summarizing public comment from the April 2021 meeting. He also noted that chlorine materials are toxic, and there isn't much info about monitoring in occupational environments, while also acknowledging that there are protections and restrictions for chlorine use in place. Despite the concerns, there is support for retaining chlorine materials on the National List, and the NOSB will continue to stress the need to review the category of sanitizers. The NOSB recently discussed adding a work agenda item to explore adding a separate section on the NL for sanitizers. The HS moved to a vote.

Motion to remove chlorine materials from the National List

Motion by: AB

Seconded by: JD

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

- **2023 Sunset: Silicon dioxide (KS).** The lead summarized the substance and public comments from the Spring 2021 meeting. The HS recommends relisting at this time and will revisit a possible annotation change, based on public comments. Currently the annotation reads: "Allowed for other uses when organic rice hulls are not commercially available".

Motion to remove silicon dioxide from the National List

Motion by: KS

Seconded by: KH

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

- **2023 Sunset: Carrageenan (JD/AB).** The lead summarized the uses, manufacture, public comments, and previous NOSB recommendation to remove carrageenan, which is a food thickener, emulsifier, and an accepted vegan alternative. Although the NOSB recommended removal based on essentiality, the NOP did not implement the recommendation, and therefore carrageenan remains on the National List. A member asked if the argument for listing carrageenan is similar to the argument for the listing of zein, in that it expands the organic market. Another member highlighted the intent behind OFPA, the National List, and the creation of a voluntary Advisory Board, which was to provide a check on the Program.

Motion to remove carrageenan from the National List

Motion by: JD

Seconded by: KS

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

- **2023 Sunset: Glucono delta-lactone (WT).** Deferred to next call due to lack of time.
- **Additional items.** None.
- **The meeting was adjourned**

[Previous HS Notes](#)

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

June 1, 2021

Peroxylic Acid ("PLA") (JD) - Petition sufficiency

2024 Sunsets - TR requests

2023 Sunset: Calcium sulfate - mined (WT) - Discuss review/vote

2023 Sunset: Cellulose (CD) - Discuss review/vote

June 15, 2021

Zein (JD) - Discuss proposal

2023 Sunset: Chlorine materials (AB) - Discuss review/vote

2023 Sunset: Silicon dioxide (KS) - Discuss review/vote

2023 Sunset: Carrageenan (JD/AB) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote

2023 Sunset: Agar-agar (KH) - Discuss review/vote

2023 Sunset: Animal enzymes (KH) - Discuss review/vote

2023 Sunset: Tartaric acid (SE) - Discuss review/vote

2023 Sunset: Potassium hydroxide (SE) - Discuss review/vote

2023 Sunset: Potassium lactate (JD) - Discuss review/vote

2023 Sunset: Sodium lactate (JD) - Discuss review/vote

Zein (JD) - Discuss proposal/vote

Fish oil annotation (AB) - Discuss proposal
 July 20, 2021
 Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal (pending receipt of TR addendum)
 August 3, 2021
 Phosphoric acid - amend annotation (KS/AB) - Discuss proposal (pending receipt of TR)
 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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS sent additional questions to TR contractor 3.16.21.	5.19.20 06.02.20 07.21.20 3.16.21 7.20.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	KS/AB	Proposal	2003 TR 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	8.3.21	Fall 2021

				and HS requested a full TR 12.1.20. TR due ~Jul.		
Zein	205.606	JD	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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	6.15.21 7.6.21	Fall 2021
Peroxylic Acid ("PLA")	205.605(b)	JD	TBD	Petition sent to HS 04.07.21. Petition sufficiency due 6.6.21. Petition found sufficient 6.1.21. HS requested a TR.	5.18.21 6.1.21	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.	7.6.21	Fall 2021
L-Malic acid reclassification	TBD	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Fall 2021
Research Priorities	ALL	RPs due to MS 7.20.21.	7.6.21	Fall 2021

*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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.6.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	7.6.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	6.1.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	6.15.21	"

Glucono delta-lactone	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.6.21	“
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	6.1.21	“
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: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	6.15.21	“
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	6.15.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21	“

2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgit	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 2010 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)	WT	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Diatomaceous earth	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Magnesium chloride	205.605(a)	KS	N	Sunset date: 11.22.24 TR: 1995 TAP ; 2016 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Nitrogen	205.605(a)	KS	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium carbonate	205.605(a)	AB	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Acidified sodium chlorite	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 2008 TAP ; 2013 TR (livestock) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Carbon dioxide	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2006 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium phosphates	205.605(b)	WT	N	Sunset date: 10.30.24 TR: 2001 TAP ; 2016 TR (phosphates) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Casings	205.606(b)	JD	N	Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Pectin	205.606(p)	JD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE	5.18.21 6.1.21	“ “
Potassium acid tartrate	205.606(q)	AB	N	Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021

Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 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, June 1, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kyla Smith (KS); Carolyn Dimitri (CD); Wood Turner (WT)

Absent: Kim Huseman (KH)

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

Agenda

- Review May 18, 2021 notes
- Peroxylactic Acid ("PLA") (JD) - Petition sufficiency
- 2024 Sunsets - TR requests
- 2023 Sunset: Calcium sulfate - mined (WT) - Discuss review/vote
- 2023 Sunset: Cellulose (CD) - Discuss review/vote
- 2023 Sunset: Chlorine materials (AB) - Discuss review/vote
- 2023 Sunset: Silicon dioxide (KS) - Discuss review/vote
- Additional items
- Adjourn

Discussion

- **May 18, 2021 notes** were accepted as written.
- **Peroxylactic Acid ("PLA") (JD)**. PLA is being petitioned for use as an antibacterial in meat products. The group discussed the petition and deemed it sufficient for review and chose to request a Technical Report (TR). A member noted that PLA is a sanitizer and suggested the HS include specific questions in the TR request. The HS will forward its questions to the NOP.
- **2024 Sunsets**. The Handling Subcommittee determined there was no need to request updated TRs for the 2024 sunset substances. See table below.
- **2023 Sunset: Calcium sulfate - mined (WT)**. The lead summarized the substance and its varied uses, noting that it is mined. The HS moved to a vote and voted unanimously to not remove calcium sulfate-mined from the National List.

Motion to remove calcium sulfate - mined from the National List at § 205.605(a)

Motion by: WT

Seconded by: JD

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

- **2023 Sunset: Cellulose (CD)**. The lead circulated a draft review for cellulose and the HS discussed it and voted to not remove cellulose from the National List.

Motion to remove cellulose from the National List at § 205.605(a)

Motion by: KS

Seconded by: JD

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

- **2023 Sunset: Chlorine materials (AB)** - Deferred to next call
- **2023 Sunset: Silicon dioxide (KS)** - Deferred to next call
- **Additional items.** None
- **The meeting was adjourned**

Previous HS Notes

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

May 18, 2021

Assign 2024 Sunsets (for TR determination)
 Schedule discussion dates for work agenda items
 Peroxylactic Acid ("PLA") - Assign lead

June 1, 2021

Peroxylactic Acid ("PLA") (JD) - Petition sufficiency
 2024 Sunsets - TR requests
 2023 Sunset: Calcium sulfate - mined (WT) - Discuss review/vote
 2023 Sunset: Cellulose (CD) - Discuss review/vote

June 15, 2021

Zein (JD) - Discuss proposal
 2023 Sunset: Agar-agar (KH) - Discuss review/vote
 2023 Sunset: Animal enzymes (KH) - Discuss review/vote
 2023 Sunset: Chlorine materials (AB) - Discuss review/vote
 2023 Sunset: Silicon dioxide (KS) - Discuss review/vote
 2023 Sunset: Carrageenan (JD/AB) - Discuss review/vote
 2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS
 2023 Sunset: Tartaric acid (SE) - Discuss review/vote
 2023 Sunset: Potassium hydroxide (SE) - Discuss review/vote
 2023 Sunset: Potassium lactate (JD) - Discuss review/vote
 2023 Sunset: Sodium lactate (JD) - Discuss review/vote
 Fish oil annotation (AB) - Discuss proposal

July 20, 2021

Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal (pending receipt of TR addendum)

August 3, 2021

Phosphoric acid - amend annotation (KS/AB) - Discuss proposal (pending receipt of TR)

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS sent additional questions to TR contractor.	7.20.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	KS/AB	Proposal	2003 TR 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 requested a full TR 12.1.20. TR due ~Jul.	8.3.21	Fall 2021
Zein	205.606	JD	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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	6.15.21	Fall 2021
Peroxlactic Acid ("PLA")	205.605(b)	JD	TBD	Petition sent to HS 04.07.21. Petition sufficiency due 6.6.21. Petition found sufficient 6.1.21. HS requested a TR.	5.18.21 6.1.21	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.	7.6.21	Fall 2021
L-Malic acid reclassification	TBD	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	TBD
Research Priorities	ALL	RPs due to MS 7.20.21.	7.6.21	Fall 2021

*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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	6.15.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	6.15.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	6.1.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	6.15.21	"
Glucono delta-lactone	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	6.15.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	7.6.21	"
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	6.1.21	"
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water.	205.605(b)	AB	N	Sunset date: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	6.15.21	"

(iv) Sodium hypochlorite						
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	7.6.21	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	6.15.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21	“

2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgit	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 2010 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)	WT	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Diatomaceous earth	205.605(a)	KH	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Magnesium chloride	205.605(a)	KS	N	Sunset date: 11.22.24 TR: 1995 TAP ; 2016 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Nitrogen	205.605(a)	KS	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium carbonate	205.605(a)	AB	N	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Acidified sodium chlorite	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 2008 TAP ; 2013 TR (livestock) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Carbon dioxide	205.605(b)	CD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2006 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium phosphates	205.605(b)	WT	N	Sunset date: 10.30.24 TR: 2001 TAP ; 2016 TR (phosphates) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Casings	205.606(b)	JD	N	Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Pectin	205.606(p)	JD	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE	5.18.21 6.1.21	“ “
Potassium acid tartrate	205.606(q)	AB	N	Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~May 14, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 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, May 18, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Kyla Smith (KS); Carolyn Dimitri (CD); Wood Turner (WT); Mindee Jeffery (MJ) - observer

Absent: None

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

Agenda

- Review April 6, 2021 notes
- Debrief from April 2021 NOSB Meeting
- Assign 2024 Sunsets (for TR determination)
- Schedule discussions for work agenda items
- Peroxylactic Acid ("PLA") - Assign lead
- Additional items
- Adjourn

Discussion

- **April 6, 2021 notes** were accepted as written.
- **Debrief from April 2021 NOSB Meeting**
 - The ion exchange filtration proposal was passed at the April NOSB meeting and removed from the table below.
 - Members discussed the topic of sanitizers noting that it is still not clear how to move forward. At this time, sanitizers are still being reviewed as independent substances on the National List and given the complexity it may be challenging to develop an overarching policy for reviewing sanitizers as a group. A member reminded the group that there are currently two sanitizers under review. The group also discussed the idea of having a separate section on the NL for sanitizers, as some international regulations do, but it's not clear how that would aid the review process. A member suggested the need to couple a practice standard with the substance list and highlighted other sections of the Organic Regulations as a model.
- **Assign 2024 Sunsets (for TR determination).** See table below for assignments. Members will review the 2024 sunsets to determine the need for a TR.
- **Schedule discussions for work agenda items.** See tables below.
- **Peroxylactic Acid ("PLA").** JD volunteered to lead the review for PLA. The HS will complete petition sufficiency on the June 1 call.
- **Additional items.**
 - The HS will retain two work agenda items, BPA and NVM, already listed in the ["on hold" section](#) on the work agenda spreadsheet, and will remove them from the table below. .
- **The meeting was adjourned**

[Previous HS Notes](#)

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

May 4, 2021 - May cancel

May 18, 2021

Assign 2024 Sunsets (for TR determination)

Schedule discussion dates for work agenda items

Peroxylactic Acid ("PLA") - Assign lead

June 1, 2021

Peroxylactic Acid ("PLA") (JD) - Petition sufficiency
2024 Sunsets - TR requests
2023 Sunset: Agar-agar (KH) - Discuss review/vote
2023 Sunset: Animal enzymes (KH) - Discuss review/vote
2023 Sunset: Calcium sulfate - mined (WT) - Discuss review/vote
2023 Sunset: Cellulose (CD) - Discuss review/vote
2023 Sunset: Chlorine materials (AB) - Discuss review/vote
2023 Sunset: Silicon dioxide (KS) - Discuss review/vote

June 15, 2021

Zein (JD) - Discuss proposal
2023 Sunset: Carrageenan (JD/AB) - Discuss review/vote
2023 Sunset: Glucono delta-lactone (WT) - Discuss review/vote
2023 Sunset: Tartaric acid (SE) - Discuss review/vote
2023 Sunset: Potassium hydroxide (SE) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS
Fish oil annotation (AB) - Discuss proposal
2023 Sunset: Potassium lactate (JD) - Discuss review/vote
2023 Sunset: Sodium lactate (JD) - Discuss review/vote

July 20, 2021

Cetylpyridinium chloride (CPC) (AB/KH) - Discuss proposal (pending receipt of TR addendum)

August 3, 2021

Phosphoric acid - amend annotation (KS/AB) - Discuss proposal (pending receipt of TR)

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD

Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS sent additional questions to TR contractor.	7.20.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	KS/AB	Proposal	2003 TR 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 requested a full TR 12.1.20. TR due ~Jul.	8.3.21	Fall 2021
Zein	205.606	JD	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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	6.15.21	Fall 2021
Peroxlactic Acid ("PLA")	205.605(b)	JD	TBD	Petition sent to HS 04.07.21. Petition sufficiency due 6.6.21.	5.18.21 6.1.21	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.	7.6.21	Fall 2021
L-Malic acid reclassification	TBD	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	TBD
Research Priorities	ALL	RPs due to MS 7.20.21.	7.6.21	Fall 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.	TBD	Discussion doc On hold

		Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.		
Nutrient Vitamins and Minerals - annotation change	TBD	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA 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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	6.1.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	6.1.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	6.1.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	6.15.21	"
Glucono delta-lactone	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	6.15.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	6.15.21	"
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	6.1.21	"
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: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	6.1.21	"

Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	6.15.21	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	6.1.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	7.6.21	“

2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgite	205.605(a)	KH		Sunset date: 10.30.24 TR: 2010 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)	WT		Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Diatomaceous earth	205.605(a)	KH		Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Magnesium chloride	205.605(a)	KS		Sunset date: 11.22.24 TR: 1995 TAP ; 2016 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Nitrogen	205.605(a)	KS		Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Sodium carbonate	205.605(a)	AB		Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Acidified sodium chlorite	205.605(b)	CD		Sunset date: 10.30.24 TR: 2008 TAP ; 2013 TR (livestock) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Carbon dioxide	205.605(b)	CD		Sunset date: 10.30.24 TR: 1995 TAP ; 2006 TAP . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Sodium phosphates	205.605(b)	WT		Sunset date: 10.30.24 TR: 2001 TAP ; 2016 TR (phosphates) . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Casings	205.606(b)	JD		Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “
Pectin	205.606(p)	JD		Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE	5.18.21 6.1.21	“ “
Potassium acid tartrate	205.606(q)	AB		Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew	5.18.21 6.1.21	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~May 14, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 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, April 6, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Kyla Smith (KS); Carolyn Dimitri (CD)

Absent: Wood Turner (WT)

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

Agenda

- Review March 16, 2021 notes
- Review Public Comments
- Prep for April meeting
- Additional items
- Adjourn

Discussion

- **March 16, 2021** notes were accepted as written.
- **Review Public Comments.**
 - There were more than 800 written public comments submitted to the docket for the April meeting that are available in Regulations.gov.
- **Prep for April meeting.**
 - The NOSB Chair provided some tips for reviewing and analyzing comments for the upcoming NOSB meeting.
 - The group discussed the process for voting at the NOSB meetings.
- **Additional items.**
 - The Handling Subcommittee sent additional questions to the TR contractor for CPC.
 - The NOP received a new petition for Handling and will forward it as soon as it is ready
 - The HS will likely cancel the May 4 call.
 - “Coffee with the Board” will be scheduled in place of the May 4 calls. This is an opportunity for the public to ask questions about the NOSB nominations and what it’s like to be on the NOSB.
- **The meeting was adjourned.**

[Previous HS Notes](#)

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

March 16, 2021

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

April 6, 2021

Review Public Comments

Prep for April meeting

May 4, 2021 - May cancel

May 18, 2021

Assign 2024 Sunsets (for TR determination)

Schedule discussions for work agenda items

Phosphoric acid (AB) - TR Sufficiency (if available)

June 1, 2021

2024 Sunsets - TR requests

June 15, 2021

July 6, 2021

Research Priorities - discuss and send to MS

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS sent additional questions to TR contractor.	5.19.20 06.02.20 07.21.20 3.16.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Proposal	2003 TR 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	05.05.20 09.01.20 12.1.20 12.15.20 5.18.21	Fall 2021

				sufficient 9.1.20 and HS requested a full TR 12.1.20. TR due ~Aug.		
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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	05.19.20 07.07.20 07.21.20 2.2.21 2.16.21	Spr 2021

Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation Discussion doc	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.16.21	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	NOP memo 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.	1.19.21 2.2.21 2.16.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21 7.6.21	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	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA 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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	2.2.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	1.19.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	2.2.21	"
Glucono delta-lactone	205.605(a)	WT/ARB	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	2.16.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	12.15.20	"
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	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: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	1.19.21 2.2.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	12.15.20	"
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	1.5.21	"
Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	12.1.20	"

Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate) . 2016/Spring - Rec to ADD	12.1.20	“
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2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgate	205.605(a)			Sunset date: 10.30.24 TR: 2010 TR . 2017/Fall – Rec to Renew	5.18.21	Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21	“ “
Diatomaceous earth	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21	“ “
Magnesium chloride	205.605(a)			Sunset date: 11.22.24 TR: 1995 TAP ; 2016 TR . 2017/Fall – Rec to Renew	5.18.21	“ “
Nitrogen	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21	“ “
Sodium carbonate	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall – Rec to Renew	5.18.21	“ “
Acidified sodium chlorite	205.605(b)			Sunset date: 10.30.24 TR: 2008 TAP ; 2013 TR (livestock) . 2017/Fall – Rec to Renew	5.18.21	“ “
Carbon dioxide	205.605(b)			Sunset date: 10.30.24 TR: 1995 TAP ; 2006 TAP . 2017/Fall – Rec to Renew	5.18.21	“ “
Sodium phosphates	205.605(b)			Sunset date: 10.30.24 TR: 2001 TAP ; 2016 TR (phosphates) . 2017/Fall – Rec to Renew	5.18.21	“ “
Casings	205.606(b)			Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew	5.18.21	“ “
Pectin	205.606(p)			Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE	5.18.21	“ “

Potassium acid tartrate	205.606(q)			Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew	5.18.21	“ “
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Milestones

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	Feb 3 - 5, 2021
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 5, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Virtual	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, March 16, 2021 1:30 pm ET

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Kyla Smith (KS); Carolyn Dimitri (CD); Wood Turner (WT)

Absent: None

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

Agenda

- Review February 16, 2021 notes
- Cetylpyridinium chloride (CPC) (AB/KH) - TR sufficiency
- Additional items
- Adjourn

Discussion

- **February 16, 2021 notes** were accepted as written.
- **Cetylpyridinium chloride (CPC) (AB/KH).** The group discussed the TR, which they found not sufficient at this time. The Handling Subcommittee noted that there was not much information relating to the use of CPC in poultry, there was no information about environmental fate, which isn't a specific question included in the TR template, and the document was not well organized. The HS will compile a list of items they would like revised and send that to the NOP to forward to the TR contractor. The group also discussed the need for this material in the organic poultry industry.
- **Additional items.** The Materials Subcommittee may work on revising the TR templates to align them with the proposal template and to the other TR templates.
- **The meeting was adjourned.**

[Previous HS Notes](#)

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

February 16, 2021

2023 Sunset: Glucono delta-lactone (JD for WT) - Discuss review

Zein (JD) - Discuss petition discussion doc/vote

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

Fish oil annotation proposal (AB) - Discuss/vote

March 2, 2021 - cancelled

March 16, 2021

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

April 6, 2021

Review Public Comments

Prep for April meeting

May 4, 2021

May 18, 2021

Assign 2024 Sunsets (for TR determination)

Schedule discussions for work agenda items

Phosphoric acid (AB) - TR Sufficiency (if available)

June 1, 2021

2024 Sunsets - TR requests

June 15, 2021

July 6, 2021

Research Priorities - discuss and send to MS

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21. HS will send additional questions to TR contractor.	5.19.20 06.02.20 07.21.20 3.16.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Proposal	2003 TR 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	05.05.20 09.01.20 12.1.20 12.15.20 5.18.21	Fall 2021

				sufficient 9.1.20 and HS requested a full TR 12.1.20. TR due ~Aug.		
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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	05.19.20 07.07.20 07.21.20 2.2.21 2.16.21	Spr 2021

Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation Discussion doc	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.16.21	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	NOP memo 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.	1.19.21 2.2.21 2.16.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21 7.6.21	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	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA 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: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5.29.23 TR: 2011 (enzymes) ; 2015 (enzymes) . 2016/Fall - Rec to Renew	2.2.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5.29.23 TR: 2001 . 2016/Fall - Rec to Renew	1.19.21	"
Carrageenan	205.605(a)	JD/AB	N	Sunset date: 5.29.23 TR: 2011 ; 2016 . 2016/Fall - Rec to Renew	2.2.21	"
Glucono delta-lactone	205.605(a)	WT/ARB	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	2.16.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5.29.23 TR: 2011 . 2016/Fall - Rec to Renew	12.15.20	"
Cellulose	205.605(b)	CD	N	Sunset date: 11.3.23 TR: 2016 . 2016/Fall - Rec to Renew	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: 1.28.24 TR: 2015 (Hypochlorous acid) . 2016/Spr - Rec to ADD	1.19.21 2.2.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5.29.23 TR: 2016 . 2016/Fall - Rec to Renew	12.15.20	"
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5.29.23 TR: 2010 . 2016/Fall - Rec to Renew	1.5.21	"

Potassium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate). 2016/Spring - Rec to ADD	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1.28.24 TR: 2015 (Lactic acid, sodium lactate, and potassium lactate). 2016/Spring - Rec to ADD	12.1.20	“

2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Attapulgite	205.605(a)			Sunset date: 10.30.24 TR: 2010 TR. 2017/Fall – Rec to Renew		Summary: Spr 2022 Review: Fall 2022
Bentonite	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP. 2017/Fall – Rec to Renew		“ “
Diatomaceous earth	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP. 2017/Fall – Rec to Renew		“ “
Magnesium chloride	205.605(a)			Sunset date: 11.22.24 TR: 1995 TAP; 2016 TR. 2017/Fall – Rec to Renew		“ “
Nitrogen	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP. 2017/Fall – Rec to Renew		“ “
Sodium carbonate	205.605(a)			Sunset date: 10.30.24 TR: 1995 TAP. 2017/Fall – Rec to Renew		“ “
Acidified sodium chlorite	205.605(b)			Sunset date: 10.30.24 TR: 2008 TAP; 2013 TR (livestock). 2017/Fall – Rec to Renew		“ “
Carbon dioxide	205.605(b)			Sunset date: 10.30.24 TR: 1995 TAP; 2006 TAP. 2017/Fall – Rec to Renew		“ “
Sodium phosphates	205.605(b)			Sunset date: 10.30.24 TR: 2001 TAP; 2016 TR (phosphates). 2017/Fall – Rec to Renew		“ “
Casings	205.606(b)			Sunset date: 10.30.24 TR: N/A 2017/Fall – Rec to Renew		“ “

Pectin	205.606(p)			Sunset date: 10.30.24 TR: 1995 TAP ; 2009 TR ; 2010 TR (supplemental) ; 2015 Limited Scope TR . 2017/Fall – Rec to REMOVE		“ “
Potassium acid tartrate	205.606(q)			Sunset date: 05.30.24 TR: 1995 TAP ; 2017 TR . 2017/Fall – Rec to Renew		“ “

Milestones

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	Feb 3 - 5, 2021
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 5, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Virtual	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, February 16, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Kyla Smith (KS); Carolyn Dimitri (CD)

Absent: Wood Turner (WT)

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

Agenda

- Review February 2, 2021 notes
- Zein (JD) - Discuss petition discussion doc/vote
- 2023 Sunset: Glucono delta-lactone (JD for WT) - Discuss review
- Ion exchange filtration proposal (SE/SR) - Discuss proposal/vote
- Fish oil annotation proposal (AB) - Discuss/vote
- Phosphoric acid (AB/MJ) - Deferred to Fall 2021
- Additional items
- Adjourn

Discussion

- **February 2, 2021** notes were accepted as written.
- **Zein (JD).** The lead summarized the review and noted that the same process to produce zein also produces corn steep liquor. He posed several questions to the group about the prior review and feedback, and the HS will post the discussion document for comment for the Spring meeting. A member asked about the classification of the substance based on the current classification decision tree.

Motion to accept the petition discussion document on zein

Motion by: JD

Seconded by: SE

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

- **2023 Sunset: Glucono delta-lactone (GDL) (JD for WT).** JD summarized the uses of GDL and the group had a brief discussion about alternatives and international standards which don't allow the use of GDL. The review will be posted for the Spring meeting. The lead noted there are no ancillary substances.
- **Ion exchange filtration proposal (SE).** The lead noted that the NOSB had a proposal at the Fall 2020 meeting and it did not pass, and was sent back to the Handling Subcommittee for further work. Based on previous comments from stakeholders and discussion at the Fall NOSB meeting, there are conflicting interpretations as to how the materials used in ion exchange filtration should be listed and how certifiers should review these materials. The question before the Board is whether only the recharge materials used to "refresh" the ion content of the resins in the column should be on the National List or whether the resins themselves should also be on the List. A member suggested the additional of text from the TR regarding the manufacture and use of

divinyl benzene indicating that potentially serious toxicants such as styrene, a known carcinogen, may be used in the manufacture of synthetic resins.

Motion to accept the ion exchange filtration proposal

Motion by: SE

Seconded by: JD

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

- **Fish oil annotation proposal (AB).** The lead summarized the draft proposal noting that fish oil is a complex marine material issue. In a previous discussion document, the Handling Subcommittee included limiting the source of fish oil materials to byproduct from fish stocks that have been evaluated to other US standards. The members also discussed the feasibility of relying on third-party certifiers who rate seafood sustainability. The HS will put forth a discussion document instead of a proposal to gather more information through public comment.

Motion to accept the discussion document on fish oil annotation (with modifications made during the call)

Motion by: AB

Seconded by: JD

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

- **Additional items.**
 - Cetylpyridinium chloride (CPC) proposal will be deferred to the Fall meeting and the HS will discuss the sufficiency of the TR on the next call
 - Phosphoric acid (AB/MJ) - Deferred to Fall 2021.
- The meeting was adjourned.

[Previous HS Notes](#)

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

February 2, 2021

2023 Sunset: Chlorine materials (AB) - discuss review

2023 Sunset: Carrageenan (AB/JD) - discuss review

2023 Sunset: Animal enzymes (KH) - discuss review

Zein (JD) - Discuss petition discussion doc/TR sufficiency

Fish oil annotation proposal (AB) - discuss

Phosphoric acid (AB/MJ) - discussion draft pet discussion doc

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

February 16, 2021

2023 Sunset: Glucono delta-lactone (JD for WT) - Discuss review

Zein (JD) - Discuss petition discussion doc/vote

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

Fish oil annotation proposal (AB) - Discuss/vote

March 2, 2021

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

March 16, 2021

April 6, 2021

April 20, 2021

May 4, 2021

Phosphoric acid - TR Sufficiency (if available)

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
Whey protein concentrate (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. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21	5.19.20 06.02.20 07.21.20 3.2.21	Fall 2021

Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Proposal	2003 TR 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 requested a full TR 12.1.20.	05.05.20 09.01.20 12.1.20 12.15.20 5.4.21	Fall 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 sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	05.19.20 07.07.20 07.21.20 2.2.21 2.16.21	Spr 2021

- Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation Discussion doc	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.16.21	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	NOP memo 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.	1.19.21 2.2.21 2.16.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21 7.20.21	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	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA 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

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 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR Enzymes 2015 TR Enzymes 2016/Fall - Rec to Renew	2.2.21	"
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 2001 TR 2016/Fall - Rec to Renew	1.19.21	"
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 2011 TR 2016 TR 2016/Fall - Rec to Renew	2.2.21	"
Glucono delta-lactone	205.605(a)	WT/ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	12.15.20	"
Cellulose	205.605(b)	CD	N	Sunset date: 11/3/2023 2016 TR 2016/Fall - Rec to Renew	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 2015 TR Hypochlorous Acid 2016/Spr Rec to ADD	1.19.21 2.2.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	"

Silicon dioxide	205.605(b)	KS	N	Sunset date: 5/29/2023 2010 TR 2016/Fall - Rec to Renew	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	Feb 3 - 5, 2021
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 5, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Virtual	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, February 2, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Wood Turner (WT); Kyla Smith (KS); Carolyn Dimitri (CD)

Absent: None

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

Agenda

- Review January 19, 2021 notes
- 2023 Sunset: Carrageenan (AB/JD) - discuss review
- Zein (JD) - Discuss petition discussion doc/TR sufficiency
- 2023 Sunset: Animal enzymes (KH) - discuss review
- Ion exchange filtration proposal (SE/SR) - discuss proposal/vote
- 2023 Sunset: Chlorine materials (AB) - discuss review
- Fish oil annotation proposal (AB) – discuss
- Additional items
- Adjourn

Discussion

- **January 19, 2021 notes** were accepted as written
- **2023 Sunset: Carrageenan (AB/JD).** The lead summarized his review for carrageenan, noting uses, manufacture, and International allowances. The lead described the previous review, and noted that although the NOSB voted to remove carrageenan from the National List, the NOP received public comment opposing the decision, and therefore did not remove it. The HS will seek public comment on the questions in the review at the Spring meeting.
- **Zein (JD).** The lead summarized the petitioned uses of zein, noting that it is non-synthetic. He also summarized the technical report and the HS found the TR sufficient. The lead will develop a discussion document and the HS will vote on it during the next call.
- **2023 Sunset: Animal enzymes (KH).** The lead summarized the uses and manufacturing processes of animal enzymes, and the HS will post the document for the Spring meeting.
- **2023 Sunset: Chlorine materials (AB).** The lead summarized the four substances listed under chlorine materials, noting the similarities, and associated human health and environmental concerns. Chlorine materials have a long history for use as food safety materials, and while members are concerned, they acknowledged the lack of alternatives. HS discussed adding a research priority on the human health concerns of chlorine materials. The lead will make some minor modifications to the draft document and submit it for the Spring meeting.
- **Ion exchange filtration proposal (SE).** The lead summarized the previous proposal, which was not passed by the NOSB at the Fall 2020 meeting, and instead was sent back to the Subcommittee for revision. The current version does not include a specific recommendation, but instead lays out the issue and suggests some paths for the NOP. A member noted the comments submitted by the certifier community at the Fall 2020 meeting. Members will send comments to the lead and the HS will vote on the proposal on the next call.
- **Fish oil annotation proposal (AB).** The discussion was deferred to next call. The lead did note that he received additional info from several stakeholder groups including NOAA. The lead will forward the feedback to the other members and the HS will discuss the proposal on the next call.
- **Additional items.** None.
- **The meeting was adjourned.**

[Previous HS Notes](#)

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

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

February 2, 2021

2023 Sunset: Chlorine materials (AB) - discuss review
2023 Sunset: Carrageenan (AB/JD) - discuss review
2023 Sunset: Animal enzymes (KH) - discuss review
Zein (JD) - Discuss petition discussion doc/TR sufficiency
Fish oil annotation proposal (AB) - discuss
Phosphoric acid (AB/MJ) - discussion draft pet discussion doc
Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

February 16, 2021

2023 Sunset: Glucono delta-lactone (WT) - Discuss review
Zein (JD) - Discuss petition discussion doc/vote
Ion exchange filtration proposal (SE/SR) - Discuss proposal/vote
Fish oil annotation proposal (AB) - Discuss/vote
Phosphoric acid (AB/MJ) - Discuss draft pet discussion doc

March 2, 2021

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

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
Whey protein concentrate (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
Cetylpyridinium chloride (CPC)	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 mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21	5.19.20 06.02.20 07.21.20 3.2.21	Fall 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Disc doc	2003 TR 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 2.16.21	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 sent to HS 01.21.21. TR Sufficiency due 03.22.21 . TR found sufficient 2.2.21.	05.19.20 07.07.20 07.21.20 2.2.21 2.16.21	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.	2.16.21	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	NOP memo 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.	1.19.21 2.2.21 2.16.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21	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	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA 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 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR Enzymes 2015 TR Enzymes 2016/Fall - Rec to Renew	2.2.21	
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 2001 TR 2016/Fall - Rec to Renew	1.19.21	"

Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 2011 TR 2016 TR 2016/Fall - Rec to Renew	2.2.21	“
Glucono delta-lactone	205.605(a)	WT/ ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	12.15.20	“
Cellulose	205.605(b)	CD	N	Sunset date: 11/3/2023 2016 TR 2016/Fall - Rec to Renew	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 2015 TR Hypochlorous Acid 2016/Spr Rec to ADD	1.19.21 2.2.21	“
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5/29/2023 2010 TR 2016/Fall - Rec to Renew	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
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New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
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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, January 19, 2021 1:00 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); Kyla Smith (KS) - observer; Carolyn Dimitri (CD) - observer

Absent: A-dae Briones (ARB)

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

Agenda

- Review January 5, 2021 notes
- 2023 Sunset: Agar-agar (KH) - discuss review
- 2023 Sunset: Calcium sulfate - mined (WT) - discuss review
- 2023 Sunset: Chlorine materials (AB) - discuss review
- Ion exchange filtration proposal (SE/SR) - discuss review
- Additional items
- Adjourn

Discussion

- **January 5, 2021 notes** were approved as written.
- **2023 Sunset: Agar-agar (KH).** The lead summarized the draft review noting the uses and history of agar-agar. The group discussed two different extraction processes and the classification of agar-agar and potentially may work on a re-classification in the future. The lead will finalize the review and send it to NOP for the Spring meeting.
- **2023 Sunset: Calcium sulfate - mined (WT).** The lead summarized the substance and its sources, emphasizing that this version is mined. The primary concerns are mining and exposure/human health. Calcium sulfate is widely used as a coagulant in tofu, a firming agent, etc. Members discussed the need for a new TR since the previous one is from 2001. A new TR would not be completed in time for the current sunset review and would have to be for the next round. The last review was completed in 2016 and it was relisted unanimously by the full Board. The lead will submit the review to the NOP for the Spring meeting.
- **2023 Sunset: Chlorine materials (AB).** The lead introduced the substances, and noted that he reached out to stakeholders and industry members seeking additional information about the use and needs for chlorine materials, and possible alternatives. The NOSB recently hosted a panel on sanitizers, which includes chlorine materials. Members discussed human health and environmental concerns, and the view that chlorine is essential for processing and food safety. The lead will write a draft review for discussion on the next call.
- **Research Priorities.** AB reached out to several food safety experts about alternatives to chlorine materials, and it appears that research is already being conducted in this area, although it may be for conventional agriculture. The HS will keep its initial list of research priorities and not make any modifications.
- **Ion exchange filtration proposal (SE/SR).** The NOSB voted on a proposal on ion exchange filtration at the Fall 2020 NOSB meeting and it did not pass, so the HS is revisiting the proposal for the Spring 2021 meeting. Based on public comments the HS is proposing to list resins as a group, and not individually. Members also discussed the issue of food contact surfaces versus food additives. The lead will edit the document and the HS will vote on it during the next call.
- **Additional items.** None.
- **The meeting was adjourned**

[Previous HS Notes](#)

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

January 5, 2021

2023 Sunset: Silicon dioxide (SR) - discuss review
Research Priorities - finalize list to send to Materials Subcomm

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

February 2, 2021

2023 Sunset: Chlorine materials (AB) - discuss review
2023 Sunset: Carrageenan (AB/JD) - discuss review
2023 Sunset: Animal enzymes (KH) - discuss review
Zein (JD) - Discuss petition discussion doc
Fish oil annotation proposal (AB) - discuss
Phosphoric acid (AB/MJ) - discussion draft pet discussion doc
Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

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
Whey protein concentrate (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
Cetylpyridinium chloride (CPC)	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
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Disc doc	2003 TR 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	NOP memo 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.	1.19.21 2.2.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21	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	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA 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 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR Enzymes 2015 TR Enzymes 2016/Fall - Rec to Renew	2.2.21	
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 2001 TR 2016/Fall - Rec to Renew	1.19.21	"
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 2011 TR 2016 TR 2016/Fall - Rec to Renew	2.2.21	"
Glucono delta-lactone	205.605(a)	WT/ ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	12.15.20	"

Cellulose	205.605(b)	SR	N	Sunset date: 11/3/2023 2016 TR 2016/Fall - Rec to Renew	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 2015 TR Hypochlorous Acid 2016/Spr Rec to ADD	1.19.21 2.2.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“
Silicon dioxide	205.605(b)	SR	N	Sunset date: 5/29/2023 2010 TR 2016/Fall - Rec to Renew	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“

Spring 2021 Milestones	Target dates (tentative)
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NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
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Handling Subcommittee (HS) Notes Tuesday, January 5, 2021 1:00 pm ET

Present: Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Scott Rice (SR); Wood Turner (WT); Kyla Smith (KS) - observer

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

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

Agenda

- Review December 15 notes
- 2023 Sunset: Silicon dioxide (SR) - discuss review
- Research Priorities - finalize list to send to Materials Subcomm
- Additional items
- Adjourn

Discussion

- **December 15 notes** were accepted as written.
- **2023 Sunset: Silicon dioxide (SR).** The lead summarized the uses of silicon dioxide, its manufacture, environmental concerns, ancillary substances, and public comment from the last review. The lead also mentioned an NOP policy memo addressing nano-technology. The NOSB received a petition to remove silicon dioxide in 2010, but it was not recommended for removal at that time. A member asked about silica dust, which has adverse health effects, and whether or not that is pertinent to this substance. The lead will re-review the TR, add any information about manufacture that may address silica dust, add a couple of questions suggested by members, and recirculate the draft.
- **Research Priorities.** The group discussed possible Research Priorities for the Spring 2021 meeting. Members discussed sanitizers and the use of substances in rotation. A member emphasized the need for an ecosystem approach when looking at sanitizers.
- **Additional items.**
 - Ion exchange. The lead reached out to stakeholders who commented at the Fall NOSB meeting to collect more info about the use of resins and the HS will discuss it on the next call. A member had some additional questions about resins and food contact and will join the discussion with the lead and commenters.
- **The meeting was adjourned**

[Previous HS Notes](#)

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

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

January 19, 2021

2023 Sunset: Agar-agar (KH) - discuss review

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 Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc
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Glucono delta-lactone	205.605(a)	WT/ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	"
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Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
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