



USA Accredited Seed Laboratory (ASL) Program Specified Program Requirements – Appendix A

1 Purpose

This document sets forth the specified program requirements of the USA Accredited Seed Laboratory (ASL) Program. The USA ASL Program expands the choices for seed laboratories and provides an alternative program to current accreditations for U.S. laboratories. This document also provides the requirements used for the objective evaluation of a program submitted for accreditation and monitored by the Agricultural Marketing Service (AMS), Livestock and Seed (LS) Program, Audit, Review, and Compliance (ARC) Branch.

The specified program requirements of the USA ASL Program must be met through an approved USDA Process Verified Program. The requirements of the USDA Process Verified Program are defined in *ARC 1001 Procedure, Process Verified Program*. The USDA Process Verified Program ensures that the requirements of the USA ASL Program are supported by a documented quality management system.

The USA ASL Program is a voluntary, user-fee service available to seed testing laboratories. Accredited seed testing laboratories, as listed on the *Official Listing of Accredited USDA Process Verified Programs for Seed*, may represent themselves as a USDA Process Verified Program, USA Accredited Seed Laboratory.

2 Scope

The USA ASL Program applies to seed laboratories seeking accreditation under this Program. Accreditation is granted for germination and physical purity testing only and covers species contained within the Association of Official Seed Analysts (AOSA) *Rules of Testing Seed* and/or *Federal Seed Act*.

3 Specified Program Requirements

3.1 Eligible Seed Testing Laboratories must be:

- 3.1.1 An AOSA member in good standing, employing Certified Seed Analysts (CSA) with certification in purity and germination or a Registered Seed Technologist (RST) in good standing or;
- 3.1.2 A SCST member in good standing employing a Registered Seed Technologist (RST).

NOTE: Applications for accreditation will be reviewed by either the AOSA administrative office or the SCST Executive Director to verify individuals or laboratories are members in good standing.

3.2

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer." (Updated July 18, 2005)



ASLs must employ an accredited U.S. seed analyst (CSA or RST). In the event of personnel changes the laboratory must be actively seeking a replacement and obtain such within one (1) year to retain accreditation under this program. The ASL management must contact the ARC Branch immediately for individual consideration to continue to operate under the ASL system. No ASL claims or certificates may be issued until this written approval is given.

- 3.3 An ASL must be furnished with all items of sampling, measuring and testing equipment required for the correct performance of tests.
- 3.4 Laboratory management must ensure that responsibilities and authorities are defined and communicated within the laboratory to include the person accepting technical responsibility for authorizing and signing test reports.
- 3.5 Samples must be uniquely identified and traceable to test reports and properly maintained for a minimum period of one year following the issuance of the report. For purity samples, impurities will be kept separate and maintained with the sample.
- 3.6 Both prior to, and after, acceptance into the Program, an ASL must participate in recognized proficiency testing in regards to its chosen scope of accreditation; a maximum of three proficiency tests are required per year. Proficiency testing results must be submitted to the ARC Branch on an annual basis.
- 3.7 ASLs must clearly identify the results of tests that fall within the accreditation guidelines in the seed laboratory report. The report must also identify as separate any tests that are outside the scope of accreditation. (Suggested statement: “Physical purity, noxious-weed and germination examination were conducted in accordance with the AOSA *Rules for Testing Seeds*. All other tests or test deviations listed on this report are outside the scope of the USA ASL Program.”)
- 3.8 ASLs will be accountable to test seed in accordance with AOSA *Rules for Testing Seeds* or the *Federal Seed Act* when testing for OECD.
- 3.9 ASLs have the option of using the standardized ASL Certificates for reporting test results.

4 Reasons for Suspension

- 4.1 In addition to the reasons outlined in the *ARC 1000 Procedure, Quality Systems Verification Program, General Policies and Procedures*, an ASL may be removed from the program for the following reasons:
 - 4.1.1 Failure to remain a member in good standing in AOSA or SCST; and/or
 - 4.1.2 Failure to employ a CSA with certification in purity and germination or a RST.



5 Proficiency Testing Groups

Crop Groupings of Proficiency Testing – USA ASL Program

Kind	Species
Grasses	Agropyron, Agrostis, Alopecurus, Andropogon, Anthoxanthum, Arrhenatherum, Axonopus, Bothriochloa, Bouteloua, Bromus, Cenchrus, Chloris, Cynodon, Cynosurus, Dactylis, Echinochloa, Eragrostis, Ehrharta, Elymus, Elytrigia, Festuca, Holcus, Lolium, Melinis, Pascopyrum, Paspalum, Phalaris, Phleum, Pennisetum, Piptatherum, Poa, Pseudoroegneria, Setaria, Sorghastrum Urochloa, Zoysia
Cereals & Other Crops	Avena, Carthamus, Fagopyrum, Gossypium, Helianthus, Hordeum, Linum, Oryza, Secale, Sorghum, Triticosecale, Triticum, Zea
Legumes	Alysicarpus, Arachis, Astragalus, Cicer, Crotalaria, Cyamopsis, Desmodium, Glycine, Hedysarum, Indigofera, Lablab, Lathyrus, Lens, Lotus, Lespedeza, Lupinus, Medicago, Melilotus, Mucuna, Onobrychis, Phacelia, Phaseolus, Pisum, Pueraria, Securigera, Trifolium, Vicia, Vigna
Vegetables, Flowers & Herbs	Abelmoschus, Allium, Anethum, Anthriscus, Apium, Arctium, Asparagus, Atriplex, Atropa, Bassia, Beta, Borago, Brassica, Camelina, Campanula, Capsicum, Carum, Chrysanthemum, Cichorium, Citrullus, Claytonia, Corchorus, Coriandrum, Cucurbita, Cucumis, Cuminum, Cynara, Daucus, Eruca, Foeniculum, Fragaria, Hyssopus, Ipomoea, Kochia, Lactuca, Lavandula, Lepidium, Levisticum, Lycopersicum, Marrubium, Matricaria, Melissa, Mentha, Nasturtium, Nicotiana, Nigella, Ocimum, Oenothera, Origanum, Papaver, Pastinaca, Petroselinum, Phacelia, Physalis, Pimpinella, Portulaca, Rheum, Raphanus, Ricinus, Rosmarinus, Rumex, Ruta, Salvia, Sanguisorba, Satureja, Scorzonera, Sesamum, Sinapis, Solanum, Spinacia, Stylosanthes, Taraxacum, Tetragonia, Thymus, Tragopogon, Tropaeolum, Valerianella
Trees & Shrubs	Abies, Acer, Betula, Calocedrus, Cedrus, Chamaecyparis, Cornus, Cupressus, Fraxinus, Larix, Liquidambar, Liriodendron, Malus, Nyssa, Picea, Pinus, Platanus, Populus, Prunus, Pseudotsuga, Pyrus, Quercus, Robinia, Sequoia, Sequiadendron, Thuja, Tsuga, Ulmus



Usage of Accredited Seed Lab USDA Report of Analysis

Accredited Seed Lab (ASL) certificates can only be used by ASL accredited laboratories. The ASL lab accreditation program is administered by the United States Department of Agriculture (USDA) for purity, germination, and noxious examinations of the following categories of seed species; Grasses, Cereals and Other Crops, Legumes; and Vegetables; Flowers and Herbs. The ASL Report of Analysis is printed on green safety paper which will contain the USDA logo to differentiate between the original report and copies, as well as prevent unauthorized alterations. Information or claims regarding the Process Verified Program may not be altered without permission of the USDA Audit Review and Compliance Branch.

Requirements:

1. Green safety paper with USDA logo.
2. Issuing Laboratory's name and address.
3. Verify whether or not the sample was taken by an officially recognized sampler.
4. Date sample was received in laboratory.
5. Lot Number.
6. Date tests were concluded.
7. Specific lab sample number.
8. Species; genus and species if possible, but just genus if species is undeterminable.

Germination:

1. Number of days germination test was performed, if performed. Include pretreatment days in total and add a comment in comments about pretreatment.
2. Number of seeds tested.
3. Total Viable % includes Normal% + Dormant %. Include a comment regarding how dormancy was determined if dormancy is reported.
4. Germination results are reported to nearest whole number and total 100%.

Purity:

1. Purity percentages totaling 100.00% if purity was performed and use four significant figures for purity/noxious amounts.
2. Kind of inert matter.
3. Other crop and weed species are reported with scientific name and number of seeds found, or state "none found." Common name also recommended.
4. Pelleted, encrusted, treated, etc. shall be recorded in comments.
5. Report date - date of issuance of certificate.
6. Signature of qualified technologist.

Additional details about the test performed may be included on the Report of Analysis at the will of the testing laboratory.

Information provided by the sender in addition to the Lot Number includes, Kind, Variety, Seed Size, Bag Weight, Size of Lot and other information.

United States of America

UNITED STATES DEPARTMENT OF AGRICULTURE PROCESS VERIFIED†

Report of Analysis

Name and Address of Sender: Sample taken by officially recognized sampler: <input type="checkbox"/> Yes <input type="checkbox"/> No <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">Lab Sample No.</td> <td style="width: 33%; border: none;">Date Received</td> <td style="width: 33%; border: none;">Report Date</td> </tr> </table>	Lab Sample No.	Date Received	Report Date	Senders Information:* Kind: Variety: Lot number: Seed size: Bag wt.: Size of lot: Other Information: *The information provided here is that of the sender and not of the laboratory.
Lab Sample No.	Date Received	Report Date		
Test(s) Requested:				

Laboratory Test Results

Purity Analysis	Viability Analysis										
_____ grams analyzed Pure Seed Component(s): Other Crop Seed: Inert Matter: Weed Seed:	Test conducted	Normal %	Dormant %	Hard Seed %	Total Viable %	Abnormal %	Dead %	Seeds Tested	Days Tested	Date Completed	
	Germination										
	Comments:										

Other Crop Seed: <table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none;">Kind</td> <td style="width: 40%; border: none;">No. Found</td> </tr> </table>	Kind	No. Found	* Noxious Weed Seeds in _____ grams: <table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none;">Kind</td> <td style="width: 20%; border: none;">No. Found</td> <td style="width: 20%; border: none;">No./lb</td> </tr> </table>	Kind	No. Found	No./lb
Kind	No. Found					
Kind	No. Found	No./lb				
Inert Matter:	(*Except Hawaii and Undesireable Grass Seed)					
Common Weed Seed: <table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none;">Kind</td> <td style="width: 40%; border: none;">No. Found</td> </tr> </table>	Kind	No. Found	Other Determinations:			
Kind	No. Found					
	Rules followed other than AOSA:					

Issuing Laboratory: _____ Issued by (Name of Analyst), registered member, Society of Commercial Seed Technologists

123 Seed Street, Sunflower, TX 23456
 Phone: 234-567-8899 Fax: 234-567-7788
 E-mail: info@seedtestinglab.com



 Authorized Signature
 Registered Seed Technologist, Seal No. XXX

Process Verified Program (PVP) Laboratory Number _____

†PVP Points: USA Accredited Seed Laboratory for Grasses; Cereals and Other Crops; Legumes; and Vegetables, Flowers and Herbs <http://www.ams.usda.gov/seed>

(Name of Company) warrants that it uses due care when performing tests for its customers. However, testing results are only reflective of the sample submitted by the customer. (Name of Company) does not warrant the sample is representative of the seed lot from which the sample is drawn. Except for the testing services provided, (Name of Company). make no warranties or guarantees of any kind, expressed or implied, with respect to the services rendered.