

## **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 Poultry (L&P) Program, Quality Assessment Division (QAD).

The specified program requirements of the USA ASL Program must be met through an approved USDA Process Verified Program (PVP). The requirements of the USDA PVP are defined in QAD 1001 Procedure: *USDA Process Verified Program*. The USDA PVP 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 USDA Approved Accredited Seed Entities](#), 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 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 QAD

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 QAD 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 QAD 1000 Procedure: *Quality Systems Verification Programs, 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 Quality Assessment Division.

### 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.

Jeffery Waite, Branch Chief  
Quality Assessment Division  
Livestock and Poultry Program

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