



Australian Government

AHCSDT307 Perform a ‘Determination of Other Seeds by Number’ test

Release: 1

AHCSDT307 Perform a 'Determination of Other Seeds by Number' test

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to estimate the number of other species of seeds either generally (e.g. all other species) or by reference to one category or species of seed. It applies to seed analysts working within enterprise requirements and procedures.

It applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Seed testing (SDT)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare a working sample	1.1 Identify seed to be tested and complete records 1.2 Prepare a working sample from submitted sample 1.3 Ensure that size of working sample conforms with International Seed Testing Association (ISTA) rules 1.4 Select the extent of determination of other species based on client requirements, seed quantity or seed characteristics

Element	Performance criteria
2. Examine seeds in working sample	2.1 Search working sample for seeds of all other species or of certain stated species as required 2.2 Count number of seeds found for each species
3. Calculate results	3.1 Express result as the number of seeds belonging to each stated species or category found in the quantity examined 3.2 Calculate the number of seeds per unit weight 3.3 Express result as total number of seeds found in total weight examined where two or more tests are carried out 3.4 Make comparison of result with other determinations in the same or in a different laboratory
4. Report results	4.1 Report result under 'other determinations' 4.2 Record actual weight of seed examined 4.3 Record the scientific name and number of seeds of each species sought and found in the actual weight of seed examined 4.4 Record the extent of other species of seed

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCSDT307A Perform a 'Determination of Other Seeds by Number' test.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCSDT307 Perform a 'Determination of Other Seeds by Number' test

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- prepare a working sample
- examine seeds in working sample
- estimate the number of seeds of other species generally or by reference to one category or species of seed
- calculate test results
- report test results

Knowledge Evidence

The candidate must demonstrate knowledge of:

- enterprise and/or legal traceability requirements
- enterprise standard operating procedures (SOPs)
- relevant health, safety and environment requirements
- seed biology
- seed identification
- the role of the International Seed Testing Association (ISTA) and the ISTA Rules for Seed Testing

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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