



# INTERNATIONAL SEED TESTING ASSOCIATION (ISTA)

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## Scope of ISTA Accreditation

### Annex to the Accreditation Certificate - ISTA Standard Methods

ISTA code GB04

Address Official Seed Testing Station  
Science and Advice for Scottish Agriculture  
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Edinburgh EH12 9FJ  
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Valid to 31.10.2019

<b>Test: Object - Sampling/Testing principle</b>	<b>Specific field of application includes species of:</b>	<b>ISTA Rules Chapter</b>
Sampling from the lot: Obtain a representative sample - Manual sampling	Grasses Cereals Small legumes Pulses Other agricultural crops Vegetables Flower species	2
Sampling from the lot of coated seeds: Obtain a representative sample - Manual sampling	Of species mentioned under manual sampling	2/11
Purity and identification of other seeds: Determine the percentage composition and identity of species - Separation and weighing of fractions, determination of other seeds	Grasses  Poa pratensis, Poa trivialis and Dactylis glomerata Cereals Small legumes Pulses Other agricultural crops Vegetables Flower species	3/4
Purity and identification of other seeds on coated seeds: Determine the percentage composition and identity of species - Separation and weighing of fractions, determination of other seeds	On species mentioned under Purity	3/11
Germination: Determine the germination potential - Germination on 400 seeds	Grasses  Cereals Small legumes Pulses Other agricultural crops Vegetables Flower species	5
Germination on coated seeds: Determine the germination potential - Germination on 400 seeds	On species mentioned under Germination	5/11

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Viability: Estimate viability in general and of dormant seeds - Biochemical viability test	Grasses	6
	Cereals	
	Small legumes	
	Other agricultural crops	
	Vegetables	
Seed Health: Determine health status - Blotter method	Phoma lingam in Brassica spp.	7-004
Seed Health: Determine health status - Malt agar or potato dextrose agar (PDA) method	Ascochyta pisi in Pisum sativum	7-005
Seed Health: Determine health status - Malt agar method	Alternaria linicola, Botrytis cinerea and Colletotrichum lini in Linum usitatissimum	7-007
Seed Health: Determine health status - Extraction and clearing of embryos	Ustilago nuda in Hordeum vulgare	7-013a
Seed Health: Determine health status - Malt agar or potato dextrose agar (PDA) method	Stagonospora nodorum in Triticum aestivum	7-014
Seed Health: Determine health status - Malt agar method	Microdochium nivale and M. majus in Triticum spp.	7-022
Moisture content: Determine moisture content - Constant temperature oven method: fine grinding	Species of Table 9A Part 1 as applicable	9
Moisture content: Determine moisture content - Constant temperature oven method: no grinding	Species of Table 9A Part 1 and 2 as applicable	
Moisture content: Determine moisture content - Constant temperature oven method: coarse grinding	Species of Table 9A Part 1 and 2 as applicable	
Moisture content: Determine moisture content - Moisture meter	Species of Table 9A Part 1 and 2 as applicable	
Weight determination: Determine weight per 1000 seeds - Counting and weighing	Grasses	10
	Cereals	
	Small legumes	
	Pulses	
	Other agricultural crops	
	Vegetables	
	Flower species	
Weight determination on coated seeds: Determine weight per 1000 seeds - Counting and weighing	On species mentioned under Weight Determination	10/11
Vigour: Estimate planting value and/or storage potential - Conductivity test	Cicer arietinum, Pisum sativum, Phaseolus vulgaris, Glycine max, Raphanus sativus	15.8.1
Vigour: Estimate planting value and/or storage potential - Controlled deterioration (CD)	Brassica spp.	15.8.3
Vigour: Estimate planting value and/or storage potential - Radicle Emergence (RE)	Brassica napus, Zea mays, Raphanus sativus	15.8.4