



INTERNATIONAL SEED TESTING ASSOCIATION (ISTA)

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Scope of ISTA Accreditation

Annex to the Accreditation Certificate - ISTA Standard Methods

ISTA code US11

Address Seed Testing Laboratory
SoDak Labs, Inc.
300 32nd Av, Suite C
SD 57006 Brookings
US

Issued on 15.07.2020

Valid to 26.06.2020

Test: Object - Sampling/Testing principle	Specific field of application includes species of:	ISTA Rules Chapter
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: Obtain a representative sample - Automatic sampling	Cereals	
Purity and identification of other seeds: Determine the percentage composition and identity of species - Separation and weighing of fractions, determination of other seeds	Grasses Cereals Small legumes Pulses Other agricultural crops Vegetables	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
Purity and identification of seeds mixture: Determine the percentage composition and identity of species - Separation and weighing of fractions, determination of other seeds	On species mentioned under Purity	3/4/18
Germination: Determine the germination potential - Germination on 400 seeds	Grasses Cereals Small legumes Pulses Other agricultural crops Vegetables	5
Germination on coated seeds: Determine the germination potential - Germination on 400 seeds	On species mentioned under Germination	5/11
Germination of seeds mixture: Determine the germination potential - Germination of components	On species mentioned under Germination	5/18

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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	
Viability on coated seeds: Estimate viability in general and of dormant seeds - Biochemical viability test	On species mentioned under Viability	11
Viability of seed mixture: Estimate viability in general and of dormant seeds - Biochemical viability test	On species mentioned under Viability	18
Verification of species and variety: Verify if species/variety corresponds to the species/variety as requested - Examination of seeds under ultra-violet light	Hordeum, Avena	8.8.1
Verification of species and variety: Verify if species/variety corresponds to the species/variety as requested - Ultrathin-layer Isoelectric Focusing (UTLIEF)	Zea mays	8.9.3
Verification of species and variety: Verify if species/variety corresponds to the species/variety as requested - Examination of seedlings (fluorescence of root traces)	Lolium spp.	8.11.4
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	
Thousand seed weight: Determine weight per 1000 seeds - Counting and weighing	Grasses	10
	Cereals	
	Small legumes	
	Pulses	
	Other agricultural crops	
	Vegetables	
Thousand seed weight on coated seeds: Determine weight per 1000 seeds - Counting and weighing	On species mentioned under Weight Determination	10/11
Thousand seed weight on seed mixture: Determine weight per 1000 seeds - Counting and weighing	On species mentioned under Weight Determination	10/18
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 - Accelerated ageing (AA)	Glycine max	15.8.2