



INTERNATIONAL SEED TESTING ASSOCIATION (ISTA)

Secretariat, Zürichstrasse 50, 8303 Bassersdorf, CH-Switzerland
Phone: +41-44-838 60 00, Fax: +41-44-838 60 01, Email: ista.office@ista.ch, <http://www.seedtest.org>

Proficiency Test Report - Heterogeneity results: 19-3 H.vul

Species: *Hordeum vulgare* Scope: PUR_OSD GER MOI VIA OIC VIG TSW

General

The following results present the mean of the 10 tests conducted by the Proficiency Test Leader to check for heterogeneity. These results may serve as a first indication whether your laboratory's test results are within the expected range. Please note that the overall mean calculated and reported at a later stage may differ from the mean indicated here. Note that sometimes the sum of the components may not add up to 100. Please note that the heterogeneity for purity test is evaluated before the samples were spiked with other seeds.

Results

Germination results

| Lot # | Normal [%] | Abnormal [%] | Ungerm. [%] |
|-------|------------|--------------|-------------|
| 1 | 95.1 | 2.0 | 2.9 |
| 2 | 98.0 | 1.1 | 0.9 |
| 3 | 94.2 | 2.0 | 3.8 |

Purity results

| Lot # | Pure [%] | Inert [%] | Other [%] |
|-------|----------|-----------|-----------|
| 1 | 99.6 | 0.2 | 0.2 |
| 2 | 99.7 | 0.2 | 0.1 |
| 3 | 99.9 | 0.1 | 0.0 |

Other Seed Determination

| Lot # | Species added | # |
|-------|---------------------------------------|---|
| Lot 1 | <i>Avena sativa</i> | 3 |
| | <i>Medicago sativa</i> | 4 |
| | <i>Sorghum bicolor subsp. bicolor</i> | 4 |
| Lot 2 | <i>Bassia scoparia</i> | 2 |
| | <i>Fagopyrum esculentum</i> | 2 |
| | <i>Phleum pratense</i> | 4 |
| | <i>Setaria pumila</i> | 3 |
| Lot 3 | <i>Echinochloa esculenta</i> | 4 |
| | <i>Persicaria lapathifolia</i> | 2 |
| | <i>Thlaspi arvense</i> | 3 |

Tetrazolium results

| Lot # | Viable seeds [%] |
|-------|------------------|
| 1 | 94.3 |
| 2 | 97.6 |
| 3 | 92.4 |

Proficiency Test Leader

Mrs Sarah Dammen
Seed Testing Laboratory
SGS North America
1405 32nd Ave

Brookings, SD 57006
UNITED STATES

Phone: +1 605 6927611
Fax: +1 605 6927617
Email: sarah.dammen@sgs.com