

Seed analysis certificate

Summary

- Describes the physical details of a line of seed, laboratory tested in a standard way.
- All seed has its own line number, printed on the side of the seed sack and each line of seed has its own seed analysis certificate.
- The National Seed Laboratory, run byASUREQuality NZ, produces a certificate for ALL certified seed. Certificates are available on all Agriseeds seed lines.

What does the seed analysis certificate show?

Identification of seed	<ul style="list-style-type: none"> ■ Variety tested ■ Merchant reference number, also known as seed line number (on side of seed sack)
When tested	<ul style="list-style-type: none"> ■ Date of test
Standard tests	<ul style="list-style-type: none"> ■ Purity (% pure seed, contaminants) ■ Germination (% live seed, hard seed (in legumes), abnormal) ■ Bulk search (contaminants in very low levels, not enough to show in purity)
Other tests (sometimes given)	<ul style="list-style-type: none"> ■ Endophyte % in perennial ryegrass (either seed or seedlings grow outs.) ■ ELISA test for the presence of AR1 endophyte (either seed or seedlings grow outs.) See Endophyte seed tests on page 158.

All Agriseeds seed lines have an official National Seed Laboratory seed analysis certificate.

Further information

For further information on the seed certification system see page 159.

Seed Analysis Certificate

Species and variety of seed

Number of this certificate (Quote this in any queries)

AsureQuality Seed Laboratory
Tennent Drive
P O Box 609
Palmerston North 4440
New Zealand

Phone: 64-6-351-7940
Fax: 64-6-351-7907
Internet: http://www.asurequality.com



SAMPLE OFFICIALLY DRAWN

Seed line number (This is branded on side of sacks)

KIND OF SEED: **CERTIFIED SEED**
Lolium perenne L.
PERENNIAL RYEGRASS
ALTO
CLASS: First generation

TEST No. 200802069

REFERENCE No. 200851955
REGION OF PRODUCTION A1-49G
MERCHANT'S REFERENCE 10109
DRESSING CODE A9

Date test completed

DATE OF SAMPLING 11/02/2008 DATE SAMPLE RECEIVED 12/02/2008 DATE TEST COMPLETED 25/03/2008 DATE OF ISSUE 25/03/2008

PURITY RESULT			GERMINATION RESULT						
PURE SEEDS	INERT MATTER	OTHER SEEDS	INTERIM COUNT	FINAL COUNT	FRESH SEEDS	HARD SEEDS	ABNORMAL SEEDLINGS	DEAD SEEDS	
99.7	0.2 %	0.1 %	94 % in 6 days	94 % in 14 days	0 %	0 %	2 %	4 %	

Bromus hordeaceus

Other Seeds Found in Bulk Search

Final germination result (%)

Purity result (%)

Endophyte level (%)

KIND OF MATTER: Empty glumes and anthers, straw, chaffy matter.

OTHER DETERMINATIONS: Prechilled 7 days at 5 deg C. Lolitrems ELISA result: Grade 2. Trace contamination, likely to be less than 1%, pass without further testing. 98% seedborne endophyte detected.

ELISA test for the presence of AR1 endophyte (see next page)

D. Dahikamp
(D.H. Dahikamp)
Team Leader