

# Certificate of Analysis

## Soy Bean Meal Standard

Cat No. B2271 - Certificate No. 413C

(Bracketed values for reference only)

### Dried Basis Values Feed Analysis

% Fat	2.11 +/- 0.15
% Crude Fibre	3.79 +/- 0.56
% Sugar	(15.02)
% Sulphur	0.46 +/- 0.01
% Starch	(2.09)
% Nitrogen	8.40 +/- 0.11

### As Bottled Values (Reference only) Ultimate Analysis

% Carbon	(45.24)
% Hydrogen	(5.73)
% Nitrogen	(7.89)
% Ash	(7.45)
% Sulphur	(0.42)
% Moisture	(6.13)

**Dried Basis: Numbers in [ ] are As Bottled (non-dried) Values**

### Mineral Analysis

% Calcium	0.33 +/- 0.04 [0.31]
% Magnesium	0.32 +/- 0.02 [0.3]
% Phosphorous	0.72 +/- 0.04 [0.68]
% Boron	0.0047 +/- 0.0003
% Iron	0.0146 +/- 0.003
% Zinc	0.0061 +/- 0.0002

### Mineral Analysis

% Potassium	2.47 +/- 0.22 [2.31]
% Sodium	(0.02)
% Chlorine	(0.06)
% Copper	0.0038 +/- 0.0002
% Manganese	0.0039 +/- 0.0004
% Aluminium	0.0111 +/- 0.0004

The following procedures and standards were employed in the analysis of the above standard:

Preparation	AOAC 935.13A	Total Nitrogen	AOAC 968.06
Crude Fibre	AOAC 962.09	Crude Fat	AOAC 920.39
Mineral Analysis	ICP/AES AOAC975.03, 968.09 (Traceable to AAFCO standards and materials traceable to NIST SRM 1547 Peach Leaves)		
Nitrogen	EDTA		

The uncertainty values represent the k=1, 68% confidence limits, or one normal standard deviation. The samples used for round robin testing were selected in accordance with ARI 014. The above values relate only to the material used to produce this standard. This bottle contains 30g of fine soy bean meal powder to be used per the test method you follow. This reference has an indefinite known shelf life unopened. Once opened the shelf life is limited to two years. Keep sealed and store under normal dry laboratory conditions.

This is a certified reference material (Working Standard) and is traceable to the above-mentioned reference standards. For good laboratory practice, we recommend that all secondary standards be verified and documented prior to use. Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Elemental Microanalysis Ltd be liable for incidental or consequential damages.

Expiration Date

This CRM is valid for two years from the date of opening.

Certified October 23, 2013.

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