

Reference Material and Inter-laboratory Quality Control Materials Product Summary

May 2017

Version: 1

Assigned Values: Values provided have been generated from an Inter-Laboratory Proficiency Programme (ILPP). The reference material values provided in this summary are the mean of the results after the exclusion of statistical outliers. The Assigned Range provided for the Inter-laboratory QC Materials is the range of test values available for purchase. Each Reference and QC Material comes with a Data Summary Sheet.

Missing Values and Available Tests: For Reference Materials where property values do not meet the statistical criteria, the summary values have not been provided. For this reason, not all tests will be available for every Reference Material of the same matrix. However, if there are 3 or more data points available, an Assigned Value will be provided with the corresponding QC material.

Sample Sizes: Available sample sizes are shown for reference materials.

Note: When ordering QC materials, please quote both the Product ID AND the process run

Reference Materials: Fertiliser - Phosphate Rock

Matrix: Fertiliser	Product ID	6-C-2
	Expiry Date	1 Jun 18
	Sample Size(s)	125g
	Cadmium (mg/kg)	55.0
	Calcium (g/100g)	35.0
	Fluoride (%)	3.86
	Moisture (g/100g)	0.762
	Total Phosphorus (g/100g)	15.3

Reference Materials: Fertiliser - Potassic Super

Matrix: Fertiliser	Product ID	99-C-1
	Expiry Date	30 Mar 21
	Sample Size(s)	125g
	Free Acid (as P) (g/100g)	0.490
	Moisture (g/100g)	5.93
	Sulphate-Sulphur(as S) (g/100g)	7.80
	Total Phosphorus (g/100g)	6.13
	W-Soluble Phosphorus (g/100g)	5.24

Reference Materials: Fertiliser - Serpentine Super

Matrix: Fertiliser	Product ID	100-C-1
	Expiry Date	25 Sep 19
	Sample Size(s)	125g
	Cadmium (mg/kg)	10.1
	Calcium (g/100g)	15.7
	Citric Acid Soluble P (g /100g)	4.96
	Moisture (g/100g)	3.60
	Sulphate-Sulphur(as S) (g/100g)	8.46
	Total Magnesium (g/ 100g)	6.10
	Total Phosphorus (g/ 100g)	6.60

QC Material: Fertiliser - Sulphur Super

Matrix: Fertiliser	Product ID	6986-QC
	Process Run	PR5596
	Expiry Date	26 Jan 21
	Sample Size(s)	125g
	Cadmium (mg/kg)	9.45
	Calcium (g/100g)	11.8
	Citric Acid Soluble P (g /100g)	4.78
	Elemental Sulphur (g/ 100g)	42.2
	Fluoride (%)	1.86
	Free Acid (as P) (g/100g)	0.0400
	Free Acid (as H3PO4) (g/100g)	0.125
	Moisture (g/100g)	2.41
	Sulphate-Sulphur(as S) (g/100g)	6.10
	Total Phosphorus (g/ 100g)	5.22
	W-Soluble Phosphorus (g/100g)	4.60

Reference Materials: Fertiliser - Super Phosphate

Matrix: Fertiliser	Product ID	102-C-1	101-C-1
	Expiry Date	24 Apr 20	25 Apr 20
	Sample Size(s)	125g	125g
	Citric Acid Soluble P (g /100g)	8.52	
	Free Acid (as P) (g/100g)	0.465	
	Moisture (g/100g)	3.92	3.96
	Sulphate-Sulphur(as S) (g/100g)	11.5	11.6
	Total Phosphorus (g/ 100g)	9.35	9.13
	W-Soluble Phosphorus (g/100g)	8.42	7.47