

Reference Material and Inter-laboratory Quality Control Materials Product Summary

January 2018

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.

Reference Materials: Soil Material

Product Type	Soil	Soil	Soil	Soil	Soil	Soil
Product ID	29-C-3	39-C-3	111-C-2	112-C-2	124-C-2	125-C-2
Expiry Date	30 Jun 20	30 Nov 20	31 Dec 20	31 Dec 20	31 Mar 21	30 Jun 21
Sample Size (min)	150g	150g	150g	150g	150g	150g
Colwell P (mg/kg)	5.97	1.66	45.0	22.5	18.6	37.2
Electrical Cond (dS/m)	0.0944	0.0147		0.148		
Exch Calcium (cmol+/kg)		0.110		4.05	3.54	3.50
Exch Magnesium (cmol+/kg)	1.19		1.60	0.467	1.15	0.685

Exch Potassium (cmol+/kg)	0.102			0.109	0.635	
Exch Sodium (cmol+/kg)	0.0445		0.274	0.0948	0.382	
Ext Copper (mg/kg)	1.91		0.445		0.730	
Ext Iron (mg/kg)	10.0	6.33		169		
Ext Manganese (mg/kg)	25.5			4.68		
Ext Zinc (mg/kg)			0.921	0.870	0.531	
Organic Carbon W&B (%)		0.102	2.03	0.820	0.876	1.96
pH CaCl2 (pH units)		4.88	5.33	6.96		4.90
pH Water (pH units)		5.56	6.06	7.36	5.85	5.51
Total Carbon (%)		0.126		0.795	1.04	2.21
Total Nitrogen (%)		0.0087	0.149		0.0775	
Total Organic Carbon (%)					1.02	