

Reference Material and Inter-laboratory Quality Control Materials Product Summary

December 2021

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.

QC Material: Acid Sulphate Soil

Matrix: Acid Sulphate Soil	Product ID	8559-QC	8579-QC	8592-QC	10336-QC	10337-QC
	Process Run	PR7155	PR8061	PR7155	PR8061	PR8061
	Expiry Date	31 Oct 22	31 Oct 22	31 Oct 22	30 Oct 23	30 Oct 23
	Sample Size	100g	100g	100g	100g	100g
	ANC_BT (%CaCO ₃)	15.5	0.644		13.9	
ANC_E (mol H ⁺ /t)	1750			2600		
Ca_HCl (%Ca)	5.60	0.268	0.114	5.48	0.0440	
Ca_KCl (%Ca)	0.377	0.228	0.110	0.380	0.0350	

Ca_P (%Ca)	4.70	0.257	0.109	5.15	0.0390
Mg_HCl (%Mg)	0.725	0.0630	0.0130	0.161	0.0940
Mg_KCl (%Mg)	0.144	0.0220	0.0120	0.0450	0.0300
Mg_P (%Mg)	0.390	0.0330	0.0110	0.0970	0.0320
pH_KCl (pH units)	8.85	8.20	5.33	8.82	4.68
pH_OX (pH units)	7.99	3.60	2.30	8.00	3.80
S_CR (%S)	1.02	0.315	0.627	0.187	0.0140
S_HCl (%S)	0.183	0.0660	0.127	0.0670	0.0500
S_KCl (%S)	0.157	0.0800	0.110	0.0610	0.0310
S_P (%S)	1.34	0.410	0.808	0.292	0.111
TAA (mol H+/t)			22.0		105
TPA (mol H+/t)		119	438		264