

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Pulp Phosphate Ore Reference Material

GPO-14

Certified Control Values

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
P2O5	%	24.52	0.288	50	+/- 0.082
Al2O3	%	0.78	0.015	49	+/- 0.005
CaO	%	44.77	0.523	50	+/- 0.149
Fe2O3	%	0.819	0.0154	49	+/- 0.0045
MgO	%	3.07	0.026	49	+/- 0.008
SiO2	%	8.13	0.199	50	+/- 0.057
U	ppm	56.6	Indicative only		
BaO	%	0.015	Indicative only		
K2O	%	0.26	0.005	50	+/- 0.002
MnO	%	0.047	0.0042	50	+/- 0.0012
Na2O	%	0.979	0.0564	50	+/- 0.0161
SO3	%	2.284	0.0496	40	+/- 0.0159
TiO2	%	0.05	0.005	50	+/- 0.002
LOI	%	12.96	0.058	50	+/- 0.017

CRM Details

Control Statistic Details

Control values for this material were determined during a certification program.

Certification Date

This material was certified with the above values on:
20th July 2012

Source Material

Prior to homogenisation and testing, this material was sourced from:
Sedimentary Phosphate Deposit, Tunisia

Material Type

Pulp Phosphate Ore, 10g samples.

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

This reference material was dried in an oven for a minimum of 8 hours at 110C. The dry material is then crushed in a micron mill and homogenised in a vee-blender. The material is then stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into heat sealed, air tight, plastic packets ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

This standard was tested in a dedicated certification program. 10 x 10g samples were sent to 5 laboratories for XRF analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

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Geostats Pty Ltd, Certified Phosphate Ore Reference Material, Product Code: