

Qotho reference material (QRM) - Iron Ore (HG) magnetite - 63.50% Fe, 1.43% Si - Palabora Mining Company

Art. ID QOT-4-068
Unit 100 g
Deliverydetails No Dangerous Good /not restricted

Description

QCRM-4-068 is a certified reference material which is suitable for use as random control samples in routine analytical laboratory quality control, when inserted within a batch of samples and measured in parallel to the unknown. The QCRM can also be used as a control sample in the analysis of samples of a similar type, verification of analytical methods for Iron Ore and as a calibration standard for the calibration of equipment used for analyzing similar materials.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
certified value	Al ₂ O ₃		0,6 ± 0,04	%		
certified value	CaO		1,33 ± 0,03	%		
certified value	Iron (Fe)	[7439-89-6]	63,5 ± 0,33	%		
certified value	K ₂ O		0,029 ± 0,005	%		
certified value	Phosphorus (P)	[7723-14-0]	0,188 ± 0,005	%		
certified value	SiO ₂		1,43 ± 0,07	%		
certified value	TiO ₂		2,31 ± 0,08	%		
assigned value	Cr ₂ O ₃		0,02 ± 0,01	%		
assigned value	Loss on Ignition (LOI)		-1,61 ± 0,05	%		
assigned value	MgO	[1309-48-4]	3,78 ± 0,12	%		
assigned value	Manganese (Mn)	[7439-96-5]	0,2 ± 0,01	%		
assigned value	Na ₂ O		0,015 ± 0,003	%		
assigned value	Sulfur (S)	[7704-34-9]	0,05 ± 0,02	%		