

Qotho reference material (QRM) - Iron Ore (HG) magnetite - 66.73% Fe, 2.764% Si - Kumba Iron Ore Mine

Art. ID QOT-4-058
Unit 100 g
Deliverydetails No Dangerous Good /not restricted

Description

QCRM-4-058 is a certified reference material that is matrix matched. It 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 analysis and as a calibration standard for the calibration of equipment used for analyzing similar grade materials.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
certified value	Al ₂ O ₃		0,870 ± 0,014	%		
certified value	CaO		0,111 ± 0,004	%		
certified value	Iron (Fe)	[7439-89-6]	66,73 ± 0,12	%		
certified value	K ₂ O		0,124 ± 0,002	%		
certified value	Loss on Ignition (LOI)		0,347 ± 0,019	%		
certified value	MgO	[1309-48-4]	0,022 ± 0,006	%		
certified value	Manganese (Mn)	[7439-96-5]	0,021 ± 0,002	%		
certified value	Phosphorus (P)	[7723-14-0]	0,053 ± 0,001	%		
certified value	Sulfur (S)	[7704-34-9]	0,007 ± 0,002	%		
certified value	SiO ₂		2,764 ± 0,033	%		
certified value	TiO ₂		0,039 ± 0,002	%		
assigned value	Na ₂ O		0,021 ± 0,006	%		