

Qotho reference material (QRM) - Iron Ore (Exploration Grade) hematite - 44.85% Fe, 29.18% Si - Kumba Iron Ore Mine

Art. ID	QOT-4-078
Unit	100 g
Deliverydetails	No Dangerous Good /not restricted

Description

QCRM-4-078 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		3,54 ± 0,06	%		
certified value	CaO		0,09 ± 0,01	%		
certified value	Iron (Fe)	[7439-89-6]	44,85 ± 0,18	%		
certified value	K ₂ O		0,28 ± 0,01	%		
certified value	Loss on Ignition (LOI)		1,65 ± 0,06	%		
certified value	MgO	[1309-48-4]	0,04 ± 0,01	%		
certified value	Manganese (Mn)	[7439-96-5]	0,34 ± 0,01	%		
certified value	Na ₂ O		0,03 ± 0,01	%		
certified value	Phosphorus (P)	[7723-14-0]	0,034 ± 0,002	%		
certified value	Sulfur (S)	[7704-34-9]	0,045 ± 0,004	%		
certified value	SiO ₂		29,18 ± 0,21	%		
certified value	TiO ₂		0,16 ± 0,01	%		
assigned value	Cr ₂ O ₃		0,07 ± 0,01	%		
assigned value	V ₂ O ₅		0,006 ± 0,002	%		