

Iron ore (Nimba), Standard Reference Material

Art. ID	NIST-693
Unit	100 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM) is intended primarily for use in validation of chemical and instrumental methods of analysis for elemental contents of iron ore, iron ore concentrates, and materials of similar matrix. It can be used to validate value assignment of in-house reference materials. A unit of SRM 693 consists of one bottle containing approximately 100 g of powder with < 74 µm (200 mesh) particle sizes. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Aluminum Oxide (Al ₂ O ₃)	Al ₂ O ₃		1,043 ± 0,036	%		
Calcium Oxide (CaO)	CaO		0,0158 ± 0,0036	%		
Iron (Total Fe)	Fe total		65,08 ± 0,20	%		
Magnesium Oxide (MgO)	MgO	[1309-48-4]	0,0143 ± 0,0024	%		
Manganese(II)Oxide (MnO)	MnO		0,0900 ± 0,0040	%		
Phosphorus (P)	Phosphorus (P)	[7723-14-0]	0,0563 ± 0,0021	%		
Potassium Oxide (K ₂ O)	K ₂ O		0,00283 ± 0,00039	%		
Silicon Dioxide (SiO ₂)	SiO ₂		3,860 ± 0,012	%		
Sodium Oxide (Na ₂ O)	Na ₂ O		0,0023 ± 0,0011	%		
Titanium Dioxide (TiO ₂)	TiO ₂		0,0345 ± 0,0034	%		