

South African Iron Ore

Art. ID	RRM-Fe-124-1KG
Unit	1 kg
Deliverydetails	No Dangerous Good /not restricted

Description

Elements and Oxides determined as follows: Multi-element Iron Ore Suite - XRF fused disc analysis /// Loss on Ignition - Thermo Gravimetric Analysis

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Corrected for moisture according to ISO2596:2006	Iron (Fe)	[7439-89-6]	63,99	%		
Corrected for moisture according to ISO2596:2006	Iron (Fe) calculated		63,82	%		
Corrected for moisture according to ISO2596:2006	SiO ₂		5,18	%		
Corrected for moisture according to ISO2596:2006	Al ₂ O ₃		1,83	%		
Corrected for moisture according to ISO2596:2006	TiO ₂		0,098	%		
Corrected for moisture according to ISO2596:2006	CaO		0,060	%		
Corrected for moisture according to ISO2596:2006	K ₂ O		0,272	%		
Corrected for moisture according to ISO2596:2006	MgO	[1309-48-4]	0,036	%		
Corrected for moisture according to ISO2596:2006	Manganese (Mn)	[7439-96-5]	0,172	%		
Corrected for moisture according to ISO2596:2006	Phosphorus (P)	[7723-14-0]	0,041	%		

06	Corrected for moisture according to ISO2596:20	Sulfur (S)	[7704-34-9]	0,012	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (371 °C)		0,254	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (425 °C)		0,331	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (650 °C)		0,561	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (1000 °C)		0,705	%
06	Corrected for moisture according to ISO2596:20	Arsenic (As)	[7440-38-2]	0,004	%
06	Corrected for moisture according to ISO2596:20	Chlorine (Cl)	[7782-50-5]	0,011	%
06	Corrected for moisture according to ISO2596:20	Cobalt (Co)	[7440-48-4]	0,001	%
06	Corrected for moisture according to ISO2596:20	Copper (Cu)	[7440-50-8]	0,002	%
06	Corrected for moisture according to ISO2596:20	Lead (Pb)	[7439-92-1]	0,004	%
06	Corrected for moisture according to ISO2596:20	Zinc (Zn)	[7440-66-6]	-	%
06	Corrected for moisture according to ISO2596:20	Barium (Ba)	[7440-39-3]	0,034	%
06	Corrected for moisture	Chromium (Cr)	[7440-47-3]	0,006	%

according to ISO2596:20

06

Corrected for moisture	Nickel (Ni)	[7440-02-0]	0,003	%
------------------------	-------------	-------------	-------	---

according to ISO2596:20

06

Corrected for moisture	Tin (Sn)	[7440-31-5]	0,001	%
------------------------	----------	-------------	-------	---

according to ISO2596:20

06

Corrected for moisture	Strontium (Sr)	[7440-24-6]	0,020	%
------------------------	----------------	-------------	-------	---

according to ISO2596:20

06

Corrected for moisture	Vanadium (V)	[7440-62-2]	0,004	%
------------------------	--------------	-------------	-------	---

according to ISO2596:20

06

Corrected for moisture	Zirconium (Zr)	[7440-67-7]	0,003	%
------------------------	----------------	-------------	-------	---

according to ISO2596:20

06

Drying to constant mass	Iron (Fe)	[7439-89-6]	63,98	%
-------------------------	-----------	-------------	-------	---

Drying to constant mass	Iron (Fe) calculated		63,82	%
-------------------------	----------------------	--	-------	---

Drying to constant mass	SiO ₂		5,16	%
-------------------------	------------------	--	------	---

Drying to constant mass	Al ₂ O ₃		1,81	%
-------------------------	--------------------------------	--	------	---

Drying to constant mass	TiO ₂		0,099	%
-------------------------	------------------	--	-------	---

Drying to constant mass	CaO		0,057	%
-------------------------	-----	--	-------	---

Drying to constant mass	K ₂ O		0,268	%
-------------------------	------------------	--	-------	---

Drying to constant mass	MgO	[1309-48-4]	0,027	%
-------------------------	-----	-------------	-------	---

Drying to constant mass	Manganese (Mn)	[7439-96-5]	0,174	%
-------------------------	----------------	-------------	-------	---

Drying to constant mass	Phosphorus (P)	[7723-14-0]	0,041	%
-------------------------	----------------	-------------	-------	---

Drying to constant mass	Sulfur (S)	[7704-34-9]	0,010	%
-------------------------	------------	-------------	-------	---

Drying to constant mass	Loss on Ignition (L.O.I) (371 °C)		0,336	%
-------------------------	---------------------------------------	--	-------	---

Drying to constant mass	Loss on Ignition (L.O.I) (425 °C)		0,417	%
-------------------------	---------------------------------------	--	-------	---

Drying to constant mass	Loss on Ignition (L.O.I) (650 °C)		0,638	%
-------------------------	---------------------------------------	--	-------	---

Drying to constant mass	Loss on Ignition (L.O.I) (1000 °C)		0,804	%
-------------------------	--	--	-------	---

Drying to constant mass	Arsenic (As)	[7440-38-2]	0,003	%
-------------------------	--------------	-------------	-------	---

Drying to constant mass	Chlorine (Cl)	[7782-50-5]	0,013	%
-------------------------	---------------	-------------	-------	---

Drying to constant mass	Cobalt (Co)	[7440-48-4]	0,001	%
Drying to constant mass	Copper (Cu)	[7440-50-8]	0,001	%
Drying to constant mass	Lead (Pb)	[7439-92-1]	0,002	%
Drying to constant mass	Zinc (Zn)	[7440-66-6]	0,001	%
Drying to constant mass	Barium (Ba)	[7440-39-3]	0,037	%
Drying to constant mass	Chromium (Cr)	[7440-47-3]	0,007	%
Drying to constant mass	Nickel (Ni)	[7440-02-0]	0,003	%
Drying to constant mass	Tin (Sn)	[7440-31-5]	0,001	%
Drying to constant mass	Strontium (Sr)	[7440-24-6]	0,021	%
Drying to constant mass	Vanadium (V)	[7440-62-2]	0,004	%
Drying to constant mass	Zirconium (Zr)	[7440-67-7]	0,004	%