

## South African Iron Ore

Art. ID RRM-Fe-122-1KG  
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 ISO2596:20 06	Iron (Fe)	[7439-89-6]	63,66	%		
Corrected for moisture according to ISO2596:20 06	Iron (Fe) calculated		63,50	%		
Corrected for moisture according to ISO2596:20 06	SiO <sub>2</sub>		5,19	%		
Corrected for moisture according to ISO2596:20 06	Al <sub>2</sub> O <sub>3</sub>		2,07	%		
Corrected for moisture according to ISO2596:20 06	TiO <sub>2</sub>		0,113	%		
Corrected for moisture according to ISO2596:20 06	CaO		0,043	%		
Corrected for moisture according to ISO2596:20 06	K <sub>2</sub> O		0,272	%		
Corrected for moisture according to ISO2596:20 06	MgO	[1309-48-4]	0,032	%		
Corrected for moisture according to ISO2596:20 06	Manganese (Mn)	[7439-96-5]	0,153	%		
Corrected for moisture according to ISO2596:20	Phosphorus (P)	[7723-14-0]	0,042	%		

06	Corrected for moisture according to ISO2596:20	Sulfur (S)	[7704-34-9]	0,017	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (371 °C)		0,477	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (425 °C)		0,556	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (650 °C)		0,823	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (1000 °C)		0,973	%
06	Corrected for moisture according to ISO2596:20	Arsenic (As)	[7440-38-2]	0,003	%
06	Corrected for moisture according to ISO2596:20	Chlorine (Cl)	[7782-50-5]	0,013	%
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]	0,031	%
06	Corrected for moisture according to ISO2596:20	Zinc (Zn)	[7440-66-6]	0,001	%
06	Corrected for moisture according to ISO2596:20	Barium (Ba)	[7440-39-3]	0,030	%
06	Corrected for moisture	Chromium (Cr)	[7440-47-3]	0,007	%

according to ISO2596:20

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Corrected for moisture	Nickel (Ni)	[7440-02-0]	0,003	%
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according to ISO2596:20

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Corrected for moisture	Tin (Sn)	[7440-31-5]	0,001	%
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according to ISO2596:20

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Corrected for moisture	Strontium (Sr)	[7440-24-6]	0,020	%
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according to ISO2596:20

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Corrected for moisture	Vanadium (V)	[7440-62-2]	0,004	%
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according to ISO2596:20

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Corrected for moisture	Zirconium (Zr)	[7440-67-7]	0,005	%
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according to ISO2596:20

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Drying to constant mass	Iron (Fe)	[7439-89-6]	63,54	%
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Drying to constant mass	Iron (Fe) calculated		63,47	%
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Drying to constant mass	SiO <sub>2</sub>		5,19	%
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Drying to constant mass	Al <sub>2</sub> O <sub>3</sub>		2,04	%
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Drying to constant mass	TiO <sub>2</sub>		0,115	%
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Drying to constant mass	CaO		0,040	%
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Drying to constant mass	K <sub>2</sub> O		0,266	%
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Drying to constant mass	MgO	[1309-48-4]	0,030	%
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Drying to constant mass	Manganese (Mn)	[7439-96-5]	0,153	%
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Drying to constant mass	Phosphorus (P)	[7723-14-0]	0,043	%
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Drying to constant mass	Sulfur (S)	[7704-34-9]	0,015	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (371 °C)		0,563	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (425 °C)		0,591	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (650 °C)		0,885	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (1000 °C)		1,040	%
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Drying to constant mass	Arsenic (As)	[7440-38-2]	0,003	%
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Drying to constant mass	Chlorine (Cl)	[7782-50-5]	0,014	%
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Drying to constant mass	Cobalt (Co)	[7440-48-4]	0,001	%
Drying to constant mass	Copper (Cu)	[7440-50-8]	0,002	%
Drying to constant mass	Lead (Pb)	[7439-92-1]	0,032	%
Drying to constant mass	Zinc (Zn)	[7440-66-6]	0,002	%
Drying to constant mass	Barium (Ba)	[7440-39-3]	0,033	%
Drying to constant mass	Chromium (Cr)	[7440-47-3]	0,008	%
Drying to constant mass	Nickel (Ni)	[7440-02-0]	0,005	%
Drying to constant mass	Tin (Sn)	[7440-31-5]	0,002	%
Drying to constant mass	Strontium (Sr)	[7440-24-6]	0,021	%
Drying to constant mass	Vanadium (V)	[7440-62-2]	0,005	%
Drying to constant mass	Zirconium (Zr)	[7440-67-7]	0,004	%