

Iron Ore

Art. ID	CANMET-IOC-1
Unit	200 g
Delivery details	No Dangerous Good /not restricted

Description

Certified values: Results are based on samples that were dried for one hour at 105°C. The values were generally derived from various fusions and acid digestion methods followed by inductively coupled plasma - optical emission spectroscopy or X-ray fluorescence

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value, non acid digestion	CaO		0,975	%		
Certified value	Cr2O3		0,0224	%		
Certified value, various titrimetric methods	Iron (Fe)	[7439-89-6]	65,66	%		
Certified value, various fusions followed by X-ray fluorescence or inductively coupled plasma - optical emission spectroscopy	Iron (Fe)	[7439-89-6]	65,62	%		
Certified value, various titrimetric methods	FeO		20,76	%		
Certified value, at 100 to 1050°C or by thermogravimetry	Loss on Ignition (LOI)		0,863	%		
Certified value, non acid digestion	MgO	[1309-48-4]	1,043	%		
Certified value	MnO		0,472	%		
Certified value	Phosphorus (P)	[7723-14-0]	0,012	%		
Certified value	SiO2		2,633	%		
Certified value	TiO2		0,0429	%		
Provisional value	Al2O3		0,184	%		
Provisional value	Cobalt (Co)	[7440-48-4]	19,99	µg/g		
Provisional value	Molybdenum (Mo)	[7439-98-7]	22,89	µg/g		
Provisional value, data was derived from both combustion - infrared	Sulfur (S)	[7704-34-9]	0,00657	%		

pectrometry and fusion

X-ray fluorescence

Provisional value	Strontium (Sr)	[7440-24-6]	4,38	µg/g
Provisional value	Vanadium (V)	[7440-62-2]	40,8	µg/g
Indicative value	Barium (Ba)	[7440-39-3]	30	µg/g
Indicative value	Carbon (C)	[7440-44-0]	0,9	%
Indicative value, diges tion using various comb inations of acids	CaO		0,9	%
Indicative value	Cerium (Ce)	[7440-45-1]	14	µg/g
Indicative value, data was generally derived f rom fusion followed by X-ray fluorescence	Chlorine (Cl)	[7782-50-5]	0,003	%
Indicative value	CO ₂		3	%
Indicative value, data was derived using satur ation magnetization ana lyzer	Copper (Cu)	[7440-50-8]	8	µg/g
Indicative value	Magnetite	[1309-38-2]	58	%
Indicative value	Gallium (Ga)	[7440-55-3]	2	µg/g
Indicative value	K ₂ O		0,004	%
Indicative value	Lanthanum (La)	[7439-91-0]	8	µg/g
Indicative value	MgO	[1309-48-4]	0,9	%
Indicative value	Niobium (Nb)	[7440-03-1]	3	µg/g
Indicative value	Nickel (Ni)	[7440-02-0]	9	µg/g
Indicative value	Lead (Pb)	[7439-92-1]	2	µg/g
Indicative value	Thorium (Th)	[7440-29-1]	0,8	µg/g
Indicative value	Tungsten (W)	[7440-33-7]	3	µg/g
Indicative value	Yttrium (Y)	[7440-65-5]	3	µg/g
Indicative value	Zinc (Zn)	[7440-66-6]	11	µg/g
Indicative value	Zirconium (Zr)	[7440-67-7]	6	µg/g