

Properties of Sishen 64.5% 6.3mm fine ore



Substance	Specification (%)	Typical (%)
Chemical properties		
Fe	64.50 Min.	64.73
SiO ₂	4.50 Max.	4.03
Al ₂ O ₃	1.80 Max.	1.49
P	0.070 Max.	0.063
S	0.030 Max.	0.014
K ₂ O	0.28 Max.	0.25
Fe ₂ O ₃	–	92.37
TiO ₂	–	<0.065
CaO	–	<0.112
MgO	–	<0.024
FeO	–	<0.30
Mn	–	<0.015
Na ₂ O	–	0.15
As	–	0.003
Cr	–	0.0052
Ni	–	<0.0022
Zn	–	<0.0008
Pb	–	0.0012
Cu	–	<0.0006
Mo	–	<0.0001
V	–	0.0040
LOI _(900°C)	–	0.64
Moisture	3.00 Max.	2.95

Substance	Specification (%)	Typical (%)
Physical properties		
Screen analysis at the port of loading:		
6.3mm	12.00 Max	11.9
-6.3 + 5mm	–	12.4
-5 + 3.15mm	–	23.8
-3.15 + 2.0mm	–	24.8
-2.0 + 1.0mm	–	14.6
-1.0 + 0.5mm	–	5.3
-0.5 + 0.2mm	–	3.4
-0.2mm	10.00 Max	3.8

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