

Properties of Sishen 66% 25mm lump ore



Substance	Specification (%)	Typical (%)
Chemical properties		
Fe	66.00 Min.	66.10
SiO ₂	3.70 Max.	3.02
Al ₂ O ₃	1.50 Max.	1.02
P	0.060	0.056
S	0.026 Max.	0.013
K ₂ O	0.19 Max.	0.15
Fe ₂ O ₃	–	94.75
FeO	–	<0.18
TiO ₂	–	<0.048
CaO	–	<0.059
Na ₂ O	–	0.013
MgO	–	<0.015
Mn	–	<0.016
As	–	0.0018
Cr	–	0.0038
Ni	–	0.0029
Zn	–	<0.0010
Pb	–	<0.001
Cu	–	<0.0005
Mo	–	<0.0004
V	–	0.0041
LOI _(900°C)	–	0.64
Moisture	1.00 Max.	0.95

Substance	Specification (%)	Typical (%)
Physical properties		
Screen analysis at the port of loading:		
+25mm	6.50 Max	5.2
-25 + 19mm	–	18.0
-19 + 15mm	–	21.6
-15 + 12.5mm	–	21.7
-12.5 + 9.5mm	–	17.8
-9.5 + 8mm	–	7.0
-8.0mm	10.00 Max (-8mm)	8.7
-5.0mm	–	3.5

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