

NICKEL ORE FROM GUATEMALA

SPECIFICATIONS 2016

CHEMICAL AND PHYSICAL PROPERTIES ⁽¹⁾

Element	Typical (%)	Indicative (%)
Fe	13 – 22	18.0
Ni	1.8 – 2.0	1.95
Co	0.03 – 0.05	0.04
Cr	0.9 – 1.1	1.0
CaO	1.0 – 2.0	1.5
MgO	16 - 22	18.0
Al ₂ O ₃	2.0 – 3.5	2.7
SiO ₂	30 - 40	35.0
S	< 0.05	0.05
P	< 0.01	0.01
Moisture	32 - 37	35
TML**		38

Granulometric size classes (mm)	Mass distribution (%)
+25	25
-25+9.5	25
-9.5	50

*data average from 3 million tons of ore received from Guatemala

**transportable moisture limit

DESCRIPTION

Our ore is delivered FOB Santo Tomas de Castillas`- Puerto Barrios (Guatemala).

Our ore from Guatemala contains both high nickel and high iron, which is unusual for this type of ore (saprolite profile).

This composition with relatively high iron content, high magnesium and calcium oxides combined with a relatively low silica content (high basicity) allows significant decrease of your specific power consumption.

The port facilities of Tomas de Castillas, Atlantic side of Guatemala, are modern and allow a loading rate of 12 000 tons per day.

The draft of the port allows to receive vessels of class up to 35 000 tons (handy size class).

We have capacity to ship up to 100 000 tons/month.

QUALITY CONTROL STANDARD

Our quality control is based on the standard JIS8109 'Method for sampling and method for determination of moisture content of garnierite nickel ore'. This quality control ensures that the quality of the ore you receive complies to announced specifications.



(July 2016)