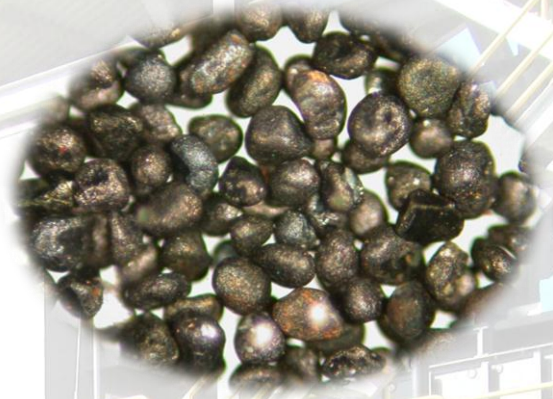


Product Description

ORC's high iron ilmenite is mined and processed in Coos Bay, Oregon. Our ilmenite is processed in two stages. The product, as raw ore, goes through a wet mill in which the sands are washed, along with other heavy mineral concentrate. This is to remove and to minimize the amount of dirt, clays, and ultra-fines. The second processing step removes the ilmenite from the raw ore through a dry mill in which the materials are separated from the other specialty minerals by physical means to produce a concentrate that maintains consistent chemical and physical properties.



Typical Sizing Analysis- Percent Retained on each Mesh

Mesh Size	Microns	High Iron Ilmenite
20	850	0.0
40	425	0.0
50	300	0.0
70	212	1.6
100	150	21.0
140	106	67.8
200	75	9.5
270	53	0.1
Pan	<53	0.0

Typical Chemical and Physical Properties

Element	High Iron Ilmenite Average	Typical
Fe ₂ O ₃	50.2%	47.7 – 52.7
TiO ₂	30.3%	27.8 – 32.8
Cr ₂ O ₃	10.5%	8.0 – 13.0
Al ₂ O ₃	3.8%	1.3 – 6.3
SiO ₂	1.6%	0.0 – 4.1
MgO	1.6%	0.0 – 4.1
Mn ₃ O ₄	1.0%	0.0 – 3.5
SO ₂	0.3%	0.0 – 2.8
CaO	0.3%	0.0 – 2.8
K ₂ O	0.15%	0.0 – 2.7
CuO	0.15%	0.0 – 2.7
FeO	7.02%	-
Total Fe	56.76%	-

Typical Physical Properties

Property	Typical Result for High Iron Ilmenite	Units
pH	7.01	-
Moisture	0.09	%
Bulk Density	173.5	lb/ft ³
Specific Gravity	2.8	-

Product Application

- Feedstock to produce TiO₂
- Engineered sand additive for silica sand in foundry applications

OREGON RESOURCES CORP. PO Box 1350 Coos Bay, Oregon 97420

Telephone: 541-266-0875

Fax: 541-266-0858

IMPORTANT: The technical data herein is believed to be accurate. High Iron Ilmenite is a naturally occurring mineral and is therefore subject to variability. The levels referenced herein are only for general guidance and do not constitute a firm specification. This information is offered for your consideration and enquiry.