

**PRODUCT SPECIFICATION SHEET****ILMENITE Concentrate****Typical Mineralogical Analysis**

Ilmenite	35 – 55%
Garnet	45 – 54%
Zircon	0 – 4%
Rutile	0 – 3%
Other Mineral	0 – 3%

**Typical Chemical Analysis**

TiO <sub>2</sub>	18 – 25%
Fe(t) as Fe <sub>2</sub> O <sub>3</sub>	48.3%
ZrO <sub>2</sub>	2 - 3%
Al <sub>2</sub> O <sub>3</sub>	2 - 4%
Cr <sub>2</sub> O <sub>3</sub>	0.15%
P <sub>2</sub> O <sub>5</sub>	0.20%
V <sub>2</sub> O <sub>5</sub>	0.20%
MnO	1 - 2%
MgO	1 - 2%
SiO <sub>2</sub>	7 - 11%
Nb <sub>2</sub> O <sub>5</sub>	0.05%
S	<0.01%
CaO	<1%
U + Th	340ppm
CeO <sub>2</sub>	<0.1%

**Typical Size Distribution**

Microns	Retained WT%	Cumulative WT%
300	1.2	1.2
250	2.4	3.6
212	6.3	9.9
180	17.9	27.8
150	45.1	72.9
125	23.5	96.4
75	3.6	100.0
-75	0.0	-
<b>Total</b>	100	

Ilmenite concentrates are naturally occurring products and are subject to size variations.

The Typical size distribution is expected to be as shown in the above table but not guaranteed.

**Physical Data**

Specific Gravity	4.0 – 4.2
Bulk Density	2.5 (t/m <sup>3</sup> )