

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

Ilmenite	85 – 90%
Garnet	8 – 12%
Zircon	1 – 2%
Rutile	0 – 1%
Other Mineral	0 – 1%

**Typical Chemical Analysis**

TiO <sub>2</sub>	40 – 42%
Fe(t) as Fe <sub>2</sub> O <sub>3</sub>	48 – 52%
ZrO <sub>2</sub>	1.0%
Al <sub>2</sub> O <sub>3</sub>	2.5%
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>	0.24%
MnO	1.1%
MgO	1.0%
SiO <sub>2</sub>	5.0%
Nb <sub>2</sub> O <sub>5</sub>	0.05%
S	<0.01%
U + Th	340ppm
CeO <sub>2</sub>	0.12%

**Typical Size Distribution**

Microns	Retained WT%	Cumulative WT%
300	2.3	2.3
250	6.6	8.9
212	12.5	21.4
180	28.6	50.1
150	31.4	81.5
125	10.2	91.7
75	8.2	99.9
-75	0.1	100
<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 is not guaranteed.

**Physical Data**

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

**Library Number** MRC-OHS-PSS-0003**Release Number** 0

Document Owner

Sales &amp; Marketing Officer

**Release Date** 12/12/2018

Document Approver

Executive Chairman