

# Mineral Commodities Ltd

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PRODUCT SPECIFICATION SHEET



## ZIRCON CONCENTRATE

### Guaranteed Chemical Analysis

ZrO <sub>2</sub>	> 45% min
TiO <sub>2</sub>	> 11% min

### Typical Chemical Analysis

ZrO <sub>2</sub> + HfO <sub>2</sub>	46 – 49%
Fe(t) as Fe <sub>2</sub> O <sub>3</sub>	1.4%
TiO <sub>2</sub>	11 – 14%
Al <sub>2</sub> O <sub>3</sub>	1.0%
P <sub>2</sub> O <sub>5</sub>	0.2%
MgO	0.5%
SiO <sub>2</sub> (Total)	34.0%
CaO	1.0%
U	190ppm
Th	140ppm

### Typical Size Distribution

Microns	Retained WT%	Cumulative WT%
300	1.5	1.5
250	2.9	4.4
212	7.8	12.2
180	30	42.2
150	37.8	80.0
125	17.5	97.5
75	2.5	100.0
-75	0.0	-
<b>Total</b>	<b>100</b>	

Zircon 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	4.3 – 4.5
Bulk Density	2.5 (t/m <sup>3</sup> )