

Mineral Commodities Ltd

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PRODUCT SPECIFICATION SHEET



ZIRCON CONCENTRATE

Guaranteed Chemical Analysis

ZrO ₂	> 45% min
TiO ₂	> 11% min

Typical Chemical Analysis

ZrO ₂ + HfO ₂	46 – 49%
Fe(t) as Fe ₂ O ₃	1.4%
TiO ₂	11 – 14%
Al ₂ O ₃	1.0%
P ₂ O ₅	0.2%
MgO	0.5%
SiO ₂ (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	-
Total	100	

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 ³)