



MINERAL COMMODITIES LTD

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PRODUCT SPECIFICATION SHEET

ZIRCON Concentrate

Guaranteed Mineralogical Analysis

| | |
|--------|-----------|
| Zircon | ≥ 67% |
| Rutile | ≥ 15% min |

Typical Chemical Analysis

| | |
|---|----------|
| ZrO ₂ + HfO ₂ | 43 – 48% |
| Fe(t) as Fe ₂ O ₃ | 2 – 5% |
| TiO ₂ | 16 – 20% |
| Al ₂ O ₃ | 1 – 3% |
| P ₂ O ₅ | 0.2% |
| MgO | 0.6% |
| SiO ₂ (Total) | 28.0% |
| CaO | ≤1% |
| 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) |

| | | | |
|-----------------------|-------------------------|-------------------|---------------------------|
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