

RICHARDS BAY MINERALS



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TECHNICAL DATA SHEET UNCALCINED PRIME ZIRCON

CHEMICAL ANALYSIS - GUARANTEED

ZrO ₂ + HfO ₂	65.50 % min.
TiO ₂	0.15 % max.
Fe ₂ O ₃	0.10 % max.
U & Th	500ppm max.

CHEMICAL ANALYSIS - TYPICAL

ZrO ₂ + HfO ₂	66.00%
Fe ₂ O ₃	0.06%
TiO ₂	0.12%
SiO ₂ Total	32.50%
Free	0.20%
S	0.002%
Al ₂ O ₃	0.12%
CaO	0.11%
MgO	0.02%
Cr ₂ O ₃	0.002%
PbO	0.003%
P ₂ O ₅	0.12%
H ₂ O	0.05%
Loss on ignition	0.22%

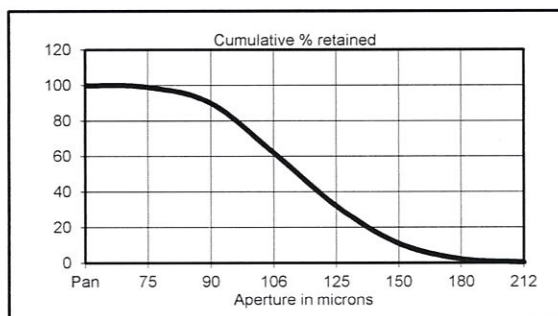
PHYSICAL DATA

Specific gravity	4.2 - 4.8
Bulk density	2.7 g/cm ³
Angle of repose	32°
A.F.S. No.	113

TYPICAL SIZE ANALYSIS

Zircon sand is a natural product and the size analysis may vary but is typically:

MICRONS	MESH (BSS)	WT% RET	WT% CUM
212	72	0.4	0.4
180	85	1.9	2.3
150	100	8.7	11.0
125	120	21.0	32.0
106	150	30.0	62.0
90	170	28.0	90.0
75	200	9.0	99.0
Pan		1.0	100.0



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Managed by

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