



OPAQUE
CERAMICS
OBSESSED WITH QUALITY

LABORATORY
TEST REPORT



Zircon Sand

TECHNICAL SPECIFICATIONS & TEST REPORT

Chemical Analysis

Zirconium (including Hafnium), as $ZrO_2 + HfO_2$	66.50	($\pm 0.50\%$)
Silicon, as SiO_2	32.40	($\pm 0.50\%$)
Aluminium, as Al_2O_3	0.28	($\pm 0.10\%$)
Iron, as Fe_2O_3	0.05	($\pm 0.05\%$)
Titanium, as TiO_2	0.27	($\pm 0.05\%$)
Moisture (105°C)	0.05	($\pm 0.05\%$)
Thorium, as Th	190 ppm	
Uranium, as U	218 ppm	
Parent Activity of Thorium + Uranium	3.5 bq/g	
Specific Gravity	3.70 $\pm$ 0.03 g/cm3	
AFS	124	
D50 (um)	96	

As the activity of this material is less than 10 Bq/g it is exempt from international transport regulation in accordance to paragraph 107 of IAEA SSR-6 (Rev. 1).

Size Distribution

Screen Aperture	% Weight	Cumulative Weight%	
Micron		Retained	Passing
+300	0.015	0.02	100.0
+250	0.015	0.00	100.0
+212	0.015	0.00	100.0
+180	0.015	0.10	99.9
+150	0.115	0.20	99.8
+125	1.330	1.50	98.5
+106	24.154	25.70	74.3
+90	47.290	72.90	27.1
+75	21.631	94.60	5.4
-75	5.404	100.00	0.0



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A Govt. of India Undertaking
A Minirath-1 Company



Richards Bay
Minerals



TRONOX

LAB DISPOSITION

LAB MANAGER APPROVAL



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APPROVED



R.K. Singh

MR. R.K. SINGH

AUTHORIZED SIGNATORY



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