

ZIRCON SAND

Compilation: 2023

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1 CHEMICAL ANALYSIS

Components	65%		63%		60%	
	Typical %	Guaranteed %	Typical %	Guaranteed %	Typical %	Guaranteed %
ZrO ₂ +HfO ₂	65.3 - 66.2	65 min	63.2 - 63.9	≥63	61	≥60
Al ₂ O ₃	0.3 - 1.4		1.1 - 2.28			
TiO ₂	0.17 - 0.25	0.25 max	0.60 - 0.85	≤0.90	1.36	≤2
Fe ₂ O ₃	0.07 - 0.09	0.10 max	0.21 - 0.27	≤0.30	0.40	
SiO ₂	32 - 33		32.4 - 32.9			
U ₃ O ₈ ppm	280 - 450	<500	412 - 650		500	
ThO ₂ ppm	190 - 360		310 - 400		900	

2 TYPICAL PARTICLE SIZE DISTRIBUTION

Aperture/ Microns	65%		Aperture/ Microns	63%		Particle Size	60%
	Retained (wt%)	Cumulative (wt%)		Retained (wt%)	Cumulative (wt%)		
300	0.1	0.1	>250	% Retained	% Cumulative	D ₅₀	94 microns
212	1.5	1.6	180	0.62	0.62		
150	13	14.6	150	6.52	7.14		
106	52	66.6	125	9.54	16.68		
75	26	92.6	106	18.72	35.4		
<75	7.4	100	75	16	51.4		
D ₅₀	120 μm		63	41.02	92.42		
			<63	6.58	99		
				1	100		
			D ₅₀	106 microns			

3 OTHER INFORMATION

Packaging:	25 kgs bags, 1 MT, 2 MT or 2.5 MT bags (depending on country of origin)
HS Code:	261510