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STANDARD GRADE ZIRCON

CHEMICAL ANALYSIS - GUARANTEED

ZrO ₂	min. 65,00 %
TiO ₂	max. 0,30 %
Fe ₂ O ₃	max. 0,25 %
U & Th	max. 500 ppm

CHEMICAL ANALYSIS - TYPICAL

ZrO ₂	66,00 %
Fe ₂ O ₃	0,20 %
TiO ₂	0,25 %
SiO ₂ total	32,70 %
free	0,25 %
S	0,002 %
Al ₂ O ₃	0,18 %
CaO	0,15 %
MgO	0,03 %
Cr ₂ O ₃	0,002 %
PbO	0,003 %
P ₂ O ₅	0,14 %
H ₂ O	0,05 %
Loss of ignition	0,30 %

PHYSICAL DATA

Specific gravity	4,2 – 4,8 g/cm ³
Bulk density	2,7 g/cm ³
Angle of repose	32 °
A.F.S.	113
Average grain size	0,114 mm

TYPICAL SIZE ANALYSIS

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

microns	mesh	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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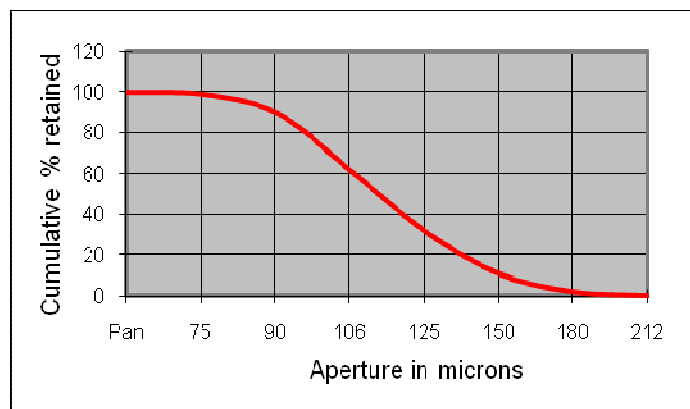
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revision 2, July 2012