



DK - ZIRCON

Zircon “A” Grade

Chemical Composition (Typical)	
Name of Chemical	%
ZrO2 +HfO2	66.34
SiO2	32.47
Al2O3	0.727
Fe2O3	0.112
TiO2	0.108
V2O5	0.003
P2O5	0.076
U(ppm)	138
Th (ppm)	165

Mineralogical Analysis	
Minerals	%
Zircon	98.87
Rutile	00.13
Sillimanite	00.88
Quartz	00.12

Particle Size Analysis		
Mesh	MM	Retained %
40	0.425	0.24
50	0.300	12.54
60	0.250	22.30
70	0.212	19.60
80	0.180	17.46
100	0.150	15.86
120	0.125	8.98
140	0.106	2.26
Pan		0.76

Applications / Uses

1. Conversion to Zircon flour, Opacifier and also directly used in Ceramic Industry and foundry
2. Fused zirconia, zirconium chemicals, chemical zirconia & zirconium metal





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Zircon “B” Grade

Chemical Composition (Typical)	
Name of Chemical	%
ZrO2 +HfO2	65.37
SiO2	32.62
Al2O3	1.370
Fe2O3	0.122
TiO2	0.228
V2O5	0.004
P2O5	0.078
U(ppm)	126
Th (ppm)	164

Mineralogical Analysis	
Minerals	%
Zircon	98.14
Rutile	00.26
Sillimanite	01.46
Quartz	00.14

Particle Size Analysis		
Mesh	MM	Retained %
40	0.425	0.24
50	0.300	12.54
60	0.250	22.30
70	0.212	19.60
80	0.180	17.46
100	0.150	15.86
120	0.125	8.98
140	0.106	2.26
Pan		0.76

Applications / Uses

1. Conversion to Zircon flour, Opacifier and also directly used in Ceramic Industry and foundry.
 2. Fused zirconia, zirconium chemicals, chemical zirconia & zirconium metal

