

ZIRCON FLOUR 300#

Chemical Analysis (wt% by XRF)

Element	Typical	Guaranteed
ZrO ₂ + HfO ₂ *	65.8	> 65.0
SiO ₂	33.0	-
Al ₂ O ₃	0.5 – 1.1	-
Fe ₂ O ₃	0.09	≤ 0.20
TiO ₂	0.19 – 0.24	≤ 0.25
CaO	0.04	-
Cr ₂ O ₃	0.01	-
MnO	0.02	-
P ₂ O ₅	0.08	-
V ₂ O ₅	0.03	-
Free Silica	< 1.0	-
U + Th	< 500 ppm	-
Th	130 – 180 ppm	-
Specific Activity ¹	0.5 – 0.7 Bq/gm	-
U	180 – 230 ppm	-
Specific Activity ¹	2.2 – 2.9 Bq/gm	-

* calculated by difference

¹Specific Activity is calculated from the U & Th assay.

Typical Particle Size Distribution

Aperture (um)	Typical % Passing	Guaranteed % Passing
75 um	99	-
53 um	97-98	-
45 um	92-94	> 90

Typical Physical Properties

Element	Typical	OTHER INFORMATION
Bulk Density	2.7 Kg/Lt	See www.doral.com.au for Material Safety Data Sheet
Specific Gravity	4.6	EINECS NO. 239-019-6
Melting Point	2,200°C	CAS NO. 14940-68-2

Packaging

Standard packaging is available in bulk shipments and 1 tonne and 2 tonne bulk bags.

Contact Details

To obtain further information about our products, please send an email to doral@doral.com.au:

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Please Note: This material is naturally occurring and some variations in grain size and/or chemical analyses can be expected.