

**ZIRCON FLOUR
325#****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	100	-
53 um	99	-
45 um	97-98	> 95

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

Contact: Graeme O'Grady
Group Marketing Manager
 Phone: +61 8 9439 8835 Fax: +61 8 9439 2892
 Email: graeme.ogrady@doral.com.au

Contact: Lloyd Kaiser
Marketing Manager – Global Development
 Phone: +61 8 9439 8838 Fax: +61 8 9439 2892
 Email: lloyd.kaiser@doral.com.au

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