

## WC Chemical Products

### ZIRCONIUM OXIDE Jet Milled

Element		Analysis
HfO <sub>2</sub>	Hafnium Oxide	<100
Al <sub>2</sub> O <sub>3</sub>	Aluminum Oxide	<100
CaO	Calcium Oxide	<100
Fe <sub>2</sub> O <sub>3</sub>	Iron Oxide	<200
SiO <sub>2</sub>	Silicon Dioxide	<0.2%
LOI	Loss on Ignition	<0.5%
TiO <sub>2</sub>	Titanium Dioxide	<100

#### Formula

ZrO<sub>2</sub>

#### Formula Weight

123.22


#### Description

A fine, white powder. 

#### Typical Analysis

On Zr oxide basis ppm except where noted. Nominal Purity 99.5%(Zr+Hf)O<sub>2</sub>


#### Particle Size

This oxide is supplied as jet milled with a screen size of nominally 95% - 400 mesh. The typical median is 1.0 to 1.5 microns  with FSS size 1 micron maximum. B.E.T. surface area is nominally 4-8 m<sup>2</sup>/g.

#### Bulk Density

Approximately 80 lbs/ft<sup>3</sup>

#### Packaging

Plastic bags inside metal drums or polyethylene containers. A 55 gallon drum will contain about  700 pounds.

#### Handling

Zirconium oxide is inert and requires no special handling. See MSDS for further information.