

WC Chemical Products

ZIRCONIUM OXIDE Jet Milled

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

Formula

ZrO₂

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)O₂

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 m²/g.

Bulk Density

Approximately 80 lbs/ft³

Packaging

Plastic bags inside metal drums or polyethylene containers. A 55 gallon drum will contain about 500-700 pounds.

Handling

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