

## WC Chemical Products

### ZIRCONIUM OXIDE Spectrographic Grade

Element		Analysis
Al	Aluminum	<25
B	Boron	0.3
Ca	Calcium	<10
Cd	Cadmium	<0.2
Co	Cobalt	<5
Cr	Chromium	<10
Cu	Copper	<10
Fe	Iron	<25
Hf	Hafnium	<25
Mg	Magnesium	<10
Mn	Manganese	<5
Mo	Molybdenum	<5
Ni	Nickel	<10
P	Phosphorous	<25
Pb	Lead	<5
Si	Silicon	<40
Sn	Tin	<10
Ti	Titanium	<25
U	Uranium	<3
V	Vanadium	<5
W	Tungsten	<10
Zn	Zinc	<50
SO <sub>4</sub>	Sulfate	700

#### Formula

ZrO<sub>2</sub>

#### Formula Weight

123.22

#### Description

A fine, white powder.

#### Typical Analysis

On Zr metal basis ppm, (sulfate on total sample basis.)

#### Particle Size

This oxide is supplied as 90% - 325 mesh. The typical median is 7 microns and FSS size is typically 3 microns. B.E.T. surface area is nominally 2 m<sup>2</sup>/g.

#### Packaging

Plastic jars in 500 Gm lots are available.

#### Handling

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