WC Chemical Products

ZIRCONIUM TETRACHLORIDE Sublimed Non-reactor grade

Element		Analysis
Hf	Hafnium	1.8-2.4%
Al	Aluminum	<1000
Fe	Iron	<1500
Si	Silicon	<100
Ti	Titanium	<100
	Insoluble	<0.2%

Formula
$ZrCl_4$

Molecular Weight
Weight 233.03

Description
Off-white anhydrous powder.

Typical Analysis
On Zr metal basis ppm except where noted, (insolubles on total sample basis.)

Nominal Purity
98 - 99% $(Zr+Hf)Cl_4$

Bulk Density
Nominally 30 - 50 lbs/ft^3

Packaging
Double plastic bags inside polyethylene containers.

Handling
This compound reacts immediately with water and water vapor to release hydrochloric acid fumes. Avoid personal contact. Store in a dry area. In case of spillage, sweep up dry material as much as possible, flush with copious quantities of water. See MSDS for further information.

PO Box 460 • 1600 Old Salem Road NE • Albany, Oregon 97321 • (888) 926-4211 ext. 6977 • Fax (541) 967-6994
Custserv@wahchang.com • www.alleghenytechnologies.com/wahchang

WC Chemical Products

ZIRCONIUM TETRACHLORIDE Reactor Grade

Element		Analysis
Hf	Hafnium Oxide	50-100
Al	Aluminum	50-100
Fe	Iron	500-1000
Cr	Chromium	<25-100
Si	Silicon	<50-200
Ti	Titanium	<25-100
	Insoluble	<0.2%

Formula
$ZrCl_4$

Molecular Weight
233.03

Description
A tan, free-flowing, anhydrous powder.

Typical Analysis
On Zr metal basis ppm except where noted, (insolubles on total sample basis.)

Nominal Purity
99.8 -99.9% $(Zr+Hf)Cl_4$

Bulk Density
Nominally 70 - 100 lbsd/ft^3

Packaging
Double plastic bags inside polyethylene containers.

Handling
This compound reacts immediately with water and water vapor to release hydrochloric acid fumes. Avoid personal contact. Store in a dry area. In case of spillage, sweep up dry material as much as possible, flush with copious quantities of water. See MSDS for further information.

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WC Chemical Products

ZIRCONIUM TETRACHLORIDE Sublimed Reactor Grade

Element		Analysis
Hf	Hafnium	50-100
Al	Aluminum	<25-100
Fe	Iron	<25-100
Cr	Chromium	<25-50
Si	Silicon	<25-100
Ti	Titanium	<25-50
	Insoluble	<0.1%

Formula
$ZrCl_4$

Molecular Weight
233.03

Description
A white, free-flowing, anhydrous powder.

Typical Analysis
On Zr metal basis ppm except where noted, (insolubles on total sample basis.)

Nominal Purity
99.95% $(Zr+Hf)Cl_4$

Bulk Density
Nominally 70 - 100 lbs/ft^3

Packaging
Double plastic bags inside polyethylene containers.

Handling
This compound reacts immediately with water and water vapor to release hydrochloric acid fumes. Avoid personal contact. Store in a dry area. In case of spillage, sweep up dry material as much as possible, flush with copious quantities of water. See MSDS for further information.

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