

Zochem LLC (Zochem South)  
600 Printwood Drive  
Dickson, TN 37055, USA  
[CustomerService@Zochem.com](mailto:CustomerService@Zochem.com)  
PHONE (615) 446-8791  
FAX (615) 446-8789  
[www.zochem.com](http://www.zochem.com)



Zochem ULC (Zochem North)  
1 Tilbury Court, Brampton  
Ontario, L6T 3T4, Canada  
[CustomerCare@Zochem.com](mailto:CustomerCare@Zochem.com)  
PHONE (800) 324-1806  
FAX (905) 453-2920  
[www.zochem.com](http://www.zochem.com)

## TECHNICAL DATA SHEET

# ZINC OXIDE GRADE 800WSA

### Description

Our Zinc Oxide product is a brilliant white powder manufactured by the French (Indirect) Process.

Grade 800WSA is used where lower impurities and high assay are required, and where a wider m<sup>2</sup>/g surface area is suitable. Applications include fertilizer, feed, ceramics, and all other applications except where a special zinc oxide characteristic is required or requested.

Grade 800WSA replaces grades ZOCO 300 and ZOCO 301.

Grade 800WSA meets GMP 21CFR110, is USFDA approved as GRAS (Generally Recognized As Safe) at 21cfr182.8991 and is authorized by the USFDA for use wherever GRAS is approved including food contact in rubber, plastics, and coatings.

Grade 800WSA also meets the requirements of ASTM specification D79, 2002/95/EC Restriction of Hazardous Substances Directive (RoHS) for heavy metals and Waste Electrical and Electronic Directive (WEEE), and other regulations where high quality zinc oxide is required.

### REPRESENTATIVE CHEMICAL PROPERTIES

Chemical Analysis (%)	Typical Limit**	Nominal	Test Method
Zinc Oxide (ZnO) ignited basis	99.7 min	99.9	Supplier (calculation)
Lead (Pb) *	0.005 max	0.002	ASTM D4075
Cadmium (Cd) *	0.005 max	0.0003	ASTM D4075
Iron (Fe)	0.002 max	0.0003	ASTM D4075
Copper (Cu)	0.001 max	0.0001	ASTM D4075
Loss at 110°C (moisture)	0.3 max	0.2	ASTM D280

### REPRESENTATIVE PHYSICAL PROPERTIES

Surface Area (m <sup>2</sup> /g) *	2.0 – 11.0	5	ASTM D4315
Fineness retained on 325 mesh (%) *	0.03 max	0.01	ASTM D185
(Fineness passing through 325 mesh (%))	99.97 min	99.99	ASTM D185)
Specifications			ASTM D79

\* Regular test item for process & product control and included on COA. Other items are for reference only.

\*\* Zochem can produce zinc oxide to customer specifications superseding the above table.

**Standard Packaging:** 50 lb. Kraft paper bags on 2,000 to 2,500 lb net wt. pallet unit, or 2,000 lb FIBC.