

Zochem LLC (Zochem South)
600 Printwood Drive
Dickson, TN 37055, USA
CustomerService@Zochem.com
PHONE (615) 446-8791
FAX (615) 446-8789



Zochem ULC (Zochem North)
1 Tilbury Court, Brampton
Ontario, L6T 3T4, Canada
CustomerCare@Zochem.com
PHONE (800) 324-1806
FAX (905) 453-2920

TECHNICAL DATA SHEET

ZINC OXIDE GRADE 500WSA

Description

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

Grade 500WSA is a popular general use high quality zinc oxide.

Grade 500WSA replaces grade ZOCO 600

Uses

This grade is used where lower impurities and high assay are required, and where a wider m²/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 500WSA is approved for pharmaceutical drug use as an excipient, 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 500WSA 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) *	0.05 max	0.01	ASTM D4075
Cadmium (Cd) *	0.01 max	0.001	ASTM D4075
Iron (Fe)	0.003 max	0.001	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 ² /g) *	2.5 – 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.