



ZINC OXIDE
GRADE AZO 77USP
(FDA Certified)

Description & Uses

Grade AZO 77USP is an extremely high purity fine particle size bright white zinc oxide produced from zinc metal following Federal Drug Administration's Good Manufacturing Practice. AZO 77USP has been developed to meet the highest standards of chemical purity and physical quality required to meet all the requirements of THE UNITED STATES PHARMACOPOEIA. This grade can be used in pharmaceutical, cosmetic, ointment, can lacquer, and other applications requiring USP quality. It is recommended for industrial and research uses that demand the ultimate in purity and uniformity.

Typical Technical Values*

Chemical Analysis (%)	Range	Nominal	Method
ZnO (Zinc Oxide) dry basis	≥99.0	99.8	USP
Pb (Lead)	≤.002	.0015	USP
Cd (Cadmium)	≤.0015	.001	USP
Fe (Iron)	<.002	nil	USP
As (Arsenic)	<.0003	nil	USP

Physical Properties

Surface Area (m ² /g)	6.0-9.0	7.5	D4315
Fineness passing 325 mesh (%)	≥99.9	99.98	D4315
Heat Loss/Moisture (%)	<.3	.2	D280
Specific Gravity	N/A	5.6	USZ
Apparent Density (lbs./cu. Ft.)	20-40	30	USZ

Standard packaging in 50 pound net weight bags on 48X40 wood pallets. 2,000 pounds net weight.

**Trace metals meet United States Pharmacopoeia Regulations.*

Revised 11-01-02