



## ZINC OXIDE GRADE AZO 77USP

### Description & Uses

Grade AZO 77USP is an extremely high purity fine particle size bright white zinc oxide produced from zinc metal following Food and Drug Administration's Good Manufacturing Practices. 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 specifying USP quality. A Buyer of this Grade may not repackage or re-label the material. If the material is repackaged or relabeled, it is not eligible for cancellation or return.

### Typical Technical Values\*

Chemical Analysis (%)	Range	Nominal	Method
ZnO (Zinc Oxide)	≥ 99.0	99.8	USP
Pb (Lead)	≤ 0.002	0.0015	USP
Cd (Cadmium)	≤ 0.0015	0.001	USP
Fe (Iron)	≤ 0.002	nil	USP
As (Arsenic)	≤ 0.0003	nil	USP
Carbonate	N/A	Pass	USP
Alkalinity	N/A	Pass	USP

### Physical Properties

Surface Area (m <sup>2</sup> /g)	6.0-9.0	7.5	D4315
Fineness passing 325 mesh (%)	≥99.9	99.98	D4315
Heat Loss/Moisture (%)	<0.3	0.2	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. See CoA for individual lot properties and test results.*

*Note: Product shelf life when properly stored is 12 months from date of shipment.*

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