

# Kalchem International

## Chemicals & Compounding Supplies

### Certificate of Analysis

#### ZINC OXIDE USP/FCC

Customer Po: KT072915  
Product No: 260303  
CAS No: 1314-13-2  
Lot No: 030315  
Manufacture Date: 03/03/2015  
Expiration Date: 03/02/2017

Tests	Unit	Specification	Result	Test Method
Identification		Pass	Pass	FT-IR
Alkalinity		Pass	Pass	USP/FCC
Carbonate		Pass	Pass	USP
Color of Solution:		Conform	Conform	USP
Arsenic	ppm	< = 6.00	< 6.00	USP
Iron and Other Heavy Metals		Conform	Conform	USP
Cadmium	ppm	< = 3.00	1.10	FCC
Loss on Ignition	%	< = 1.00	0.04	USP/FCC
Assay	%	99.000-100.500	100.000	USP/FCC
Lead	mg/kg	< = 10.00	4.90	FCC
Copper	ppm	< = 10.0	1.0	AA
% on 325 Mesh	%	< = 0.02	0.01	Sieve
Bulk Density		35.00-45.00	40.00	Graduated cylinder
Specific surface area		4.00-5.00	4.40	ASTM D 3037
Mean Particle Size	µm	0.46-0.58	0.52	Calculated from surface area
Loss on Drying	%	< = 0.07	0.03	110 deg. C
Residual Solvent		Pass	Pass	USP

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