

Certificate of Analysis
(Representative Sample Certificate)

Product Name: Zinc Oxide, USP
INCI Name: Zinc Oxide
CAS Number: 1314-13-2
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 18 months from production date

Parameter	Specification	Analysis
Surface Area (ASTM D4315)	3.0-6.5 m ² /g	3.3 m ² /g
Lead (Pb) (ASTM D4075)	0.0020% MAX	0.0016%
Cadmium (Cd) (ASTM D4075)	0.0010% MAX	<0.0001%
+325 Retained (ASTM D4315)	0.0150% MAX	0.0008%
Iron (Fe) (ASTM D4075)	0.0020% MAX	0.0001%
Loss @ 500° C (USP) (USP Monograph)	1.0% MAX	<0.1%
Zinc Oxide Assay* (APP-810*)	98.0-102.0%	99.8%
Arsenic (As) (USP) (USP Monograph)	6 ppm MAX	Pass
Lead (USP) (USP Monograph)	Pass/Fail	Pass
Iron & Other Heavy Metals (USP) (USP Monograph)	Pass/Fail	Pass
Alkalinity (USP) (USP Monograph)	Pass/Fail	Pass

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.



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Identification A (USP) (USP Monograph)	Pass/Fail	Pass
Identification of Zinc* (APP-810*)	Pass/Fail	Pass
Color & Carbonate (USP) (USP Monograph)	Pass/Fail	Pass

*Test method APP-810 has been determined suitable under actual conditions of use for product to meet USP acceptance criteria.

The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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