



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-213180  
Lot Number: SAMPLE  
Product Name: Zinc oxide  
CAS Number: 1314-13-2  
Molecular Formula: ZnO  
Molecular Weight: 81.39

Test	Specification	Result
Appearance	White to off white powder	Off white powder
Purity (Titration)	99.0 - 101.0% (KT, 0.1M EDTA)	99.5%
insoluble	Insoluble in dilute sulfuric	Complies
Trace metal analysis	Consistent with requirements	Complies
Alkalinity		Complies
Acid	$\leq 0.01\%$	$< 0.01\%$
Arsenic	Arsenic Traces: $\leq 1$ mg/kg (MHS-AAS)	$< 1$ mg/kg
Cadmium	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Calcium (ICP)	$\leq 10$ mg/kg	$< 10$ mg/kg
Chloride	$\leq 10$ mg/kg	$< 10$ mg/kg
Chromium	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Cobalt	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Copper	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Iron (ICP)	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Lead (ICP)	$\leq 20$ mg/kg	$< 20$ mg/kg
Magnesium	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Manganese	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Nickel	$\leq 5$ mg/kg (ICP)	$< 5$ mg/kg
Nitrogen	Total Nitrogen: $\leq 5$ mg/kg	$< 5$ mg/kg

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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Potassium (ICP)	$\leq 50$ mg/kg	< 50 mg/kg
Sodium (ICP)	$\leq 10$ mg/kg	< 10 mg/kg
Sulfur (ICP)	Total Sulfur: $\leq 50$ mg/kg	< 50 mg/kg

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