

Certificate of Analysis

Product Name:

Zinc oxide - puriss. p.a., ACS reagent, ≥99.0% (KT)

ZnO

Product Number: 96479
Batch Number: BCCM8175
Brand: SIGALD
CAS Number: 1314-13-2
Formula: OZn
Formula Weight: 81,39 g/mol
Quality Release Date: 21 FEB 2025
Recommended Retest Date: DEC 2030

Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Titration with EDTA	99.0 - 101.0 %	99.4 %
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Insoluble in Dilute Sulfuric Acid < = 0.01%, Alkalinity Passes Test		
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Calcium (Ca)	≤ 10 mg/kg	< 10 mg/kg
Cadmium (Cd)	≤ 5 mg/kg	< 5 mg/kg
Cobalt (Co)	≤ 5 mg/kg	< 5 mg/kg
Chromium (Cr)	≤ 5 mg/kg	< 5 mg/kg
Copper (Cu)	≤ 5 mg/kg	< 5 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Magnesium (Mg)	≤ 5 mg/kg	< 5 mg/kg
Manganese (Mn)	≤ 5 mg/kg	< 5 mg/kg
Sodium (Na)	≤ 10 mg/kg	< 10 mg/kg
Nickel (Ni)	≤ 5 mg/kg	< 5 mg/kg
Lead (Pb)	≤ 20 mg/kg	< 20 mg/kg
Arsenic (As) (MHS-AAS)	≤ 1 mg/kg	< 1 mg/kg

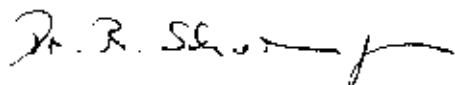
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Test	Specification	Result
Total Sulfur as SO ₄ (ICP)	≤ 50 mg/kg	< 50 mg/kg
Chloride (Cl)	≤ 10 mg/kg	< 10 mg/kg
Total Nitrogen	≤ 5 mg/kg	< 5 mg/kg



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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