

# 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

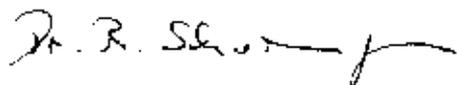
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



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Test	Specification	Result
Total Sulfur as SO <sub>4</sub> (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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