

# Certificate of Analysis

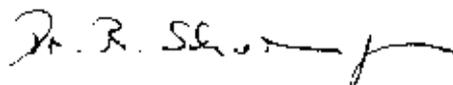
Product Name:

Barium carbonate - ACS reagent, ≥99%

**Product Number:** 237108  
**Batch Number:** BCCM6491  
**Brand:** SIGALD  
**CAS Number:** 513-77-9  
**Formula:** CBaO3  
**Formula Weight:** 197,34 g/mol  
**Quality Release Date:** 07 FEB 2025  
**Recommended Retest Date:** AUG 2028



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder	Powder
Titration	99.0 - 101.0 %	100.5 %
ICP Major Analysis	Corresponds to Requirements	Corresponds
Confirms Barium Component		
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Oxidizing Substances <= 0.005 %, Heavy		
Metals <= 0.001 % (as Pb),		
Insoluble Matter <= 0.015 %, Water		
Soluble <= 0.002 meq/g		
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Calcium (Ca)	≤ 500 mg/kg	< 500 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Sodium (Na)	≤ 50 mg/kg	< 50 mg/kg
Strontium (Sr)	≤ 7000 mg/kg	< 7000 mg/kg
Chloride (Cl)	≤ 20 mg/kg	< 20 mg/kg
Sulfide (S)	≤ 10 mg/kg	< 10 mg/kg



Dr. Reinhold Schwenninger

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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Quality Assurance  
Buchs, Switzerland CH

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