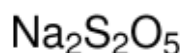


# Certificate of Analysis

Product Name:

Sodium metabisulfite - puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, E223, dry, 97-100.5%

**Product Number:** 13459  
**Batch Number:** BCCK1114  
 Brand: SIGALD  
 CAS Number: 7681-57-4  
 Formula: Na<sub>2</sub>O<sub>5</sub>S<sub>2</sub>  
 Formula Weight: 190,11 g/mol  
 Quality Release Date: 23 MAR 2023



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder or Crystals	Powder
Redox Titration	97.0 - 100.5 %	99.1 %
Assay (SO <sub>2</sub> )	65.0 - 67.4 %	66.4 %
Solubility (Color)	Colorless	Colorless
Complying		
Solubility (Turbidity)	Clear	Clear
Complying Acc. to Ph.Eur.		
PH of Solution (PH)	3.5 - 5.0	4.6
(10 % Solution) Acc. to Ph.Eur.		
pH	3.5 - 5.0	4.2
5 %, 20 C		
Pharmacopeia Tests	Corresponds to Requirements	Corresponds
Additional Test	Corresponds to Requirements	Corresponds
(on Pharmacopeia) Heavy Metals (as Pb)		
< = 10 mg/kg, Thiosulfate (S <sub>2</sub> O <sub>3</sub> )		
Complying		
Copper (Cu)	≤ 10 mg/kg	< 10 mg/kg
Iron (Fe)	≤ 10 mg/kg	< 10 mg/kg
Lead (Pb)	≤ 2 mg/kg	< 2 mg/kg
Zinc (Zn)	≤ 10 mg/kg	< 10 mg/kg
Arsenic (As)	≤ 2 mg/kg	< 1 mg/kg
(MHS-AAS)		

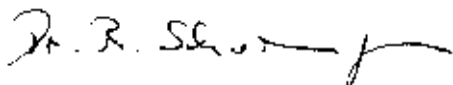
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical 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.



## Certificate of Analysis

Product Number: 13459  
Batch Number: BCCK1114

Test	Specification	Result
Mercury (Hg) (AFS)	≤ 1 mg/kg	< 1 mg/kg
Selenium (Se) (MHS-AAS)	≤ 5 mg/kg	< 5 mg/kg
Chloride (Cl)	≤ 100 mg/kg	< 50 mg/kg
Thiosulfate	≤ 200 mg/kg	< 200 mg/kg
Residual Solvents (GLC-HS)	Complying	Complies



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

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