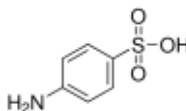


Certificate of Analysis

Product Name:

Sulfanilic acid - puriss. p.a., ≥99.0% (T)

Product Number: 86090
Batch Number: BCCJ5749
Brand: SIAL
CAS Number: 121-57-3
Formula Weight: 173,19 g/mol
Quality Release Date: 30 NOV 2022
Recommended Retest Date: MAR 2027



Test	Specification	Result
Appearance (Color)	White to Off White	Off White
Appearance (Form)	Powder or Crystals	Powder
Titration with NaOH	≥ 99.0 %	100.0 %
HPLC	≥ 99.0 %	100.0 %
(Assay in Weight %)		
HPLC Minor Component 1	≤ 1.0 %	0.0 %
< = 1.0 % Meta-Aminobenzenesulfonic Acid		
HPLC Minor Component 2	≤ 1.0 %	0.0 %
< = 1.0 % Ortho-Aminobenzenesulfonic Acid		
Solubility (Color)	Colorless to Almost Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
1g in 10ml Sodiumcarbonate 5%		
Sulphated Ash	≤ 0.01 %	0.00 %
Carbon Content		41.26 %
41.61 % (Theory)		
Hydrogen Content		3.79 %
4.07 % (Theory)		
Nitrogen Content		7.94 %
8.09 % (Theory)		
Infrared Spectrum	Conforms to Structure	Conforms
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

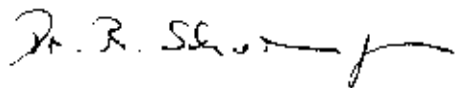
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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: 86090
Batch Number: BCCJ5749

Test	Specification	Result
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)	≤ 50 mg/kg	< 50 mg/kg
Nickel (Ni)	≤ 5 mg/kg	< 5 mg/kg
Lead (Pb)	≤ 5 mg/kg	< 5 mg/kg
Zinc (Zn)	≤ 5 mg/kg	< 5 mg/kg
Chloride (Cl)	≤ 20 mg/kg	20 mg/kg
Nitrite (NO ₂)	≤ 0.5 mg/kg	< 0.5 mg/kg
Sulfate (SO ₄)	≤ 50 mg/kg	< 50 mg/kg



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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. 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.

