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Product Specification

Product Name:
Bismuth(III) nitrate pentahydrate – ACS reagent, ≥98.0%

Product Number: 383074
CAS Number: 10035-06-0
MDL: MFCD00149157
Formula: BiN3O9 · 5H2O
Formula Weight: 485.07 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Conforms to Requirements
Crystals, Crystalline Powder or Crystalline Solid and/or Chunks	
X-Ray Diffraction	Conforms to Structure
Insoluble matter	≤ 0.005 %
C = 20%, Dilute HNO3 (1+ 4)	
Complexiometric EDTA	≥ 98.0 %
Silver (Ag)	≤ 0.001 %
Arsenic (As)	≤ 0.001 %
Calcium (Ca)	≤ 0.005 %
Chloride (Cl)	≤ 0.001 %
Copper (Cu)	≤ 0.002 %
Iron (Fe)	≤ 0.001 %
Potassium (K)	≤ 0.01 %
Sodium (Na)	≤ 0.02 %
Lead (Pb)	≤ 0.002 %
Sulfate (SO4)	≤ 0.005 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.1.ZQ5.10000003740

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.