

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

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Product Specification

Product Name:
Bismuth(III) nitrate pentahydrate - ≥99.99% trace metals basis

Product Number: 467839
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	
Compleximetric EDTA	≥ 98.0 %
Insoluble matter	≤ 0.005 %
c = 20%, Dilute HNO3 (1+ 4)	
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
ICP Major Analysis	Confirmed
Confirms Bismuth Component	
Purity	Meets Requirements
> = 99.99% Based On Trace Metals Analysis	
Trace Metal Analysis	≤ 100.0 ppm

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.

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Specification: PRD.1.ZQ5.10000069604

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