

Certificate of Analysis

Product Name : Barium chloride 99.9% trace metals basis
Product Number : 342920-VAR
Batch Number : 0000438247
Source Batch : 0000415838
CAS Number : 10361-37-2
MDL Number : MFCD00003445
Molecular Formula : BaCl₂
Formula Weight : 208.23 g/mol
Quality Release Date : 13 Mar 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Titration with AgNO ₃	33.4 - 34.7 %	34.0 %
% Cl		
ICP Major Analysis	Confirmed	Conforms
Confirms Barium Component		
Purity	Meets Requirements	Meets Requirements
99.9% Based on Trace Metal Analysis		
Trace Metal Analysis	≤ 1500.0 ppm	12.2 ppm
Silver (Ag)		0.1 ppm
Boron (B)		4.1 ppm
Calcium (Ca)		0.9 ppm
Iron (Fe)		0.3 ppm
Potassium (K)		0.5 ppm
Lithium (Li)		1.3 ppm
Magnesium (Mg)		0.1 ppm
Sodium (Na)		1.7 ppm
Palladium (Pd)		1.4 ppm
Strontium (Sr)		1.7 ppm
Zirconium (Zr)		0.1 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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Batch 0000438247



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Site

Urbana, Illinois

US

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