

Certificate of Analysis

Product Name : Barium chloride 99.9% trace metals basis
Product Number : 342920-VAR
Batch Number : 0000203950
Source Batch : 0000199023
CAS Number : 10361-37-2
Molecular Formula : BaCl₂
Formula Weight : 208.23
Quality Release Date : 31 Oct 2022

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Titration with AgNO ₃	33.4 - 34.7 %	33.9 %
Titration by AgNO ₃		
% 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	56.1 ppm
Calcium (Ca)		39.6 ppm
Cadmium (Cd)		0.2 ppm
Iron (Fe)		0.2 ppm
Lithium (Li)		1.2 ppm
Magnesium (Mg)		0.4 ppm
Molybdenum (Mo)		1.4 ppm
Palladium (Pd)		3.4 ppm
Strontium (Sr)		9.6 ppm
Titanium (Ti)		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 0000203950



Eric Burton, Manager

Site

Urbana, Illinois

US

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