

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-10 11:19:48  
Date of Next Testing: 2027-10-09 11:19:48  
Product Name: **Barium hydroxide octahydrate**  
CAS Number: 12230-71-6  
Specifications & Purity: ACS,98%  
Lot #: I2320123  
SKU #: **B116439**  
**Analysis:** **283663**  
Storage Temperature: Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
BaCO <sub>3</sub> by HCL	0-2 (%)	0.28 %
Insoluble in dilute HCl	0-0.01 (%)	0.00 %
Calcium(Ca)	0-0.05 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Chloride (Cl-)	0-0.001 (%)	0.00 %
Sodium(Na)	0-0.01 (%)	0.00 %
Strontium(Sr)	0-0.8 (%)	0.00 %
Purity(Titration by HCl)	97.5-102.5 (%)	97.89 %
Appearance (B116439)	White Powder or Crystals	White Powder or Crystals
sulfide (S <sup>2-</sup> )	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager