

## Certificate of Analysis

Date of Testing: 2024-09-05 13:38:58  
Date of Next Testing: 2028-09-04 13:38:58  
Product Name: **Barium hydroxide octahydrate**  
CAS Number: 12230-71-6  
Specifications & Purity: Analytical Reagent,98%  
Lot #: H2429574  
SKU #: **B116437**  
Version: **5**  
Analysis #: **271032**  
Storage Temperature: Room temperature,Desiccated

Parameter	Limit Values	Result
BaCO <sub>3</sub> by HCL	0-1 (%)	0.00000 %
Strontium(Sr)	0-0.08 (%)	0.06300 %
Potassium(K)	0-0.01 (%)	0.00160 %
Chloride (Cl-)	0-0.003 (%)	0.00300 %
Calcium(Ca)	0-0.02 (%)	0.00540 %
Iron(Fe)	0-0.001 (%)	0.00100 %
Insoluble matter in HCl	0-0.005 (%)	0.00500 %
Lead(Pb)	0-0.001 (%)	0.000300 %
Sodium(Na)	0-0.01 (%)	0.00000 %
Clarity test (#)	0-3	3.00000
Assay	98-100 (%)	98.07000 %
Sulfide(S <sup>2-</sup> )	0-0.0002 (%)	0.00020 %
Appearance (B116437)	White Powder or Crystals	White Powder or Crystals
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager