

Certificate of Analysis

Date of Testing: 2024-10-23 10:42:04

Date of Next Testing: 2028-10-22 10:42:04

Product Name: **Barium hydroxide octahydrate**

CAS Number: 12230-71-6

Specifications & Purity: AR, ≥98%

Lot #: J2416524

SKU #: **B116437**

Version: 5

Analysis #: **271032**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
BaCO ₃ 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 ²⁻)	0-0.0002 (%)	0.00020 %
Appearance (B116437)	White Powder or Crystals	White Powder or Crystals
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager