

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-06 15:48:30

Date of Next Testing: 2025-11-25 15:48:30

Product Name: **Calcium bromide hydrate**

CAS Number: 71626-99-8

Specifications & Purity: $\geq 98\%$

Lot #: G2109193

SKU #: **C113752**

Version: **1**

Analysis #: **297144**

Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Iron(Fe)	0-10 (ppm)	1.03000 ppm
Heavy metal (as Pb)	0-10 (ppm)	2.14000 ppm
Ca(Complexometric titration)	13.8-19.7 (%)	15.82000 %
(As)Arsenic	0-2 (ppm)	0.58000 ppm
Purity(Complexometric titration) (as xH ₂ O)	97.5-102.5 (%)	100.86000 %
Chloride (Cl ⁻)	0-1 (%)	0.42000 %
pH	6.5-9.5	7.92000
Insoluble matter in H ₂ O	0-1 (%)	0.32000 %
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.01820 %
oxalate (as SO ₄ ²⁻)	0-0.4 (%)	0.24800 %
Purity(Titration by AgNO ₃ (calcd.on anh.substance)	97.5-102.5 (%)	99.42000 %
Appearance (C113752)	white powder and/or chunks	white powder and/or chunks
Barium(Ba)	passes test	Passes test
Basic salt, free acid	Pass	Pass
Bromate, chlorate	Pass	Pass
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager