



LABPRO CHEM

"Essential Laboratory Chemicals For Scientific Research and Experimentation, Ensuring Accuracy And Precision In Every Process."

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CERTIFICATE OF ANALYSIS

Product Name: Barium Hydroxide 98% AR (Octahydrate)

CAT Number: LA0563

CAS Number: 12230-71-6

Batch Number: 687BH

Date of Manufacture: June 2025

Date of Expiry: May 2030

Test Parameter	Specification	Result
Appearance	White crystalline granules or lumps	Complies
Purity ($\text{Ba}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$)	$\geq 98\%$	98.3%
Identification	Passes test for barium and hydroxide ions	Complies
Loss on Ignition	33.0 – 35.0% (corresponding to 8 molecules of water)	34.1%
Insoluble Matter	$\leq 0.02\%$	0.01%
Chloride (Cl)	$\leq 0.002\%$	0.001%
Sulphate (SO_4)	$\leq 0.002\%$	0.001%
Heavy Metals (as Pb)	≤ 2 ppm	1 ppm
Storage Condition	Store in a tightly closed container in a dry place	Complies

Approved By

(Quality Control Department)

Date: 23/06/2025

For, LABPRO CHEM
[Signature]
AUTH SIGNATORY

Signature: _____

TESTED BY
PREM SINGH

APPROVED BY
SHAKIL AHMED