



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: AMMONIUM BORATE 99.5% AR (Penta)

Catalogue No.: LA0326

CAS No.: 12007-89-5

Batch No.: 893DO

Date of Manufacture: June 2025

Date of Expiry: May 2030

Test Parameters	Specifications	Results
Appearance	White crystalline solid	Complies
Purity (as $(\text{NH}_4)_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$)	Min. 99.5% (AR Grade)	99.6%
Identification (IR)	Should match reference spectrum	Complies
Solubility	Freely soluble in water	Complies
pH (5% aqueous solution)	8.5 – 9.5	9.0
Boron Content (as B)	As per stoichiometric calculation	Complies
Heavy Metals (as Pb)	NMT 0.0005%	Complies
Chloride (Cl)	NMT 0.002%	Complies
Sulphate (SO_4)	NMT 0.005%	Complies
Loss on Drying	14.0 – 15.0% (consistent with pentahydrate)	14.6%

Approved By

(Quality Control Department)

Date: 23/06/2025

For LABPRO CHEM
AUTH SIGNATORY

Signature: _____

TESTED BY
PREM SINGH

APPROVED BY
SHAKIL AHMED