



## 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 ICP Standard Solution 1000 mg/L in Nitric Acid

**CAT Number:** LA0527

**CAS Number:** — (*prepared solution*)

**Batch Number:** 926BS

**Date of Manufacture:** June 2025

**Date of Expiry:** May 2030

Test Parameter	Specification	Result
Appearance	Clear, colorless solution	Complies
Barium concentration	1000 $\pm$ 5 mg/L	1001 mg/L
Matrix	2% HNO <sub>3</sub> (v/v)	Complies
pH (at 25 °C)	$\leq$ 2.0	1.9
Specific Gravity (25 °C)	1.005 – 1.015	1.010
Trace metals (as Pb, Fe)	$\leq$ 0.5 ppm	< 0.2 ppm
Homogeneity	Solution free from precipitate	Complies
Assay	Conforms to NIST traceable standard	Complies

**Approved By**

(Quality Control Department)

Date: 23/06/2025

For, LABPRO CHEM  
  
AUTH SIGNATORY

Signature: \_\_\_\_\_

TESTED BY  
PREM SINGH

APPROVED BY  
SHAKIL AHMED