

# Certificate of Analysis

**Barium Chloride TS/RS, 12% (w/v)**

**Lot Number:** 1405C82

**Product Number:** 854

**Manufacture Date:** MAY 02, 2024

**Expiration Date:** APR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Barium Chloride Dihydrate	10326-27-9	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Assay (by Refractive Index)	11.7-12.3 % (w/v)	12.3 % (w/v)

Specification	Reference
Barium chloride, 120 g/1000 mL	TAPPI (T 613 cm-83)
Barium Chloride Solution (120 g/L BaCl <sub>2</sub> ·2H <sub>2</sub> O)	ASTM (E 200)
Barium Chloride Reagent Solution	ACS (N/A)
Barium Chloride TS	USP (N/A)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
854-16	500 mL natural poly	24 months
854-32	1 L natural poly	24 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)



Heidi J Green (05/02/2024)  
 Operations Manager

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