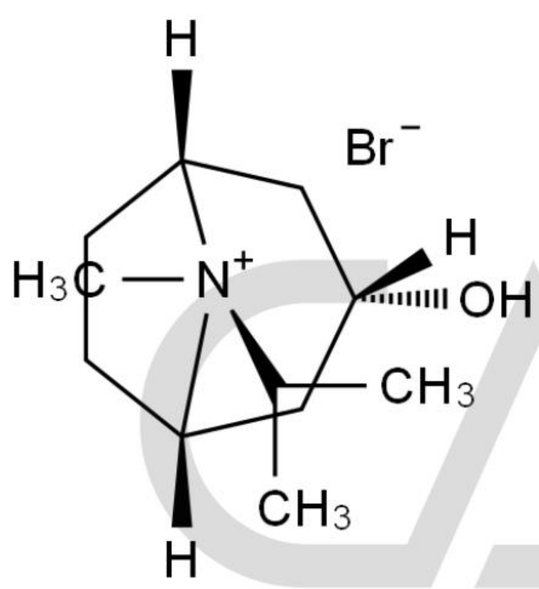
Certificate of Analysis

Reference Material & Standard

Product Name:	Ipratropium Bromide EP Impurity A	**Catalogue Number:**	C4X-16657
Synonyms:	N/A	**Lot Number:**	1102-RH-0103
CAS Number:	58005-18-8	**Expiry Date:**	Nov 08, 2030
Molecular Formula:	$C_{11}H_{22}NO\ Br$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	184.30 79.90	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	98.7%
Assay	qNMR	98.7%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Nov 09, 2026

Reviewed by: Koi Date: Nov 09, 2026

Approved by General Manager: David Date: Nov 09, 2026

CATO Research Chemicals Inc.