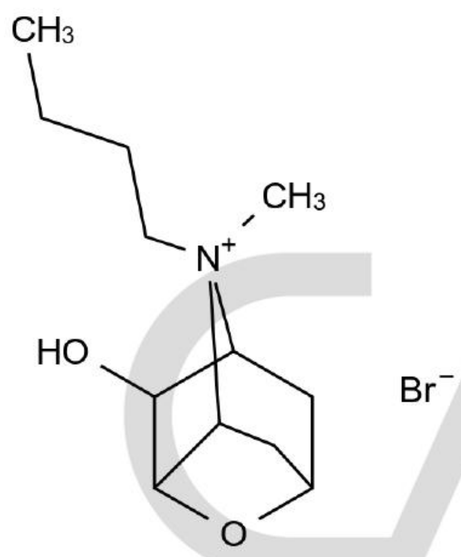
Certificate of Analysis

Reference Material & Standard

Product Name:	Isobutyl bromide scopolamine	**Catalogue Number:**	C4X-195818
Synonyms:	N/A	**Lot Number:**	0716-RH-0051
CAS Number:	N/A	**Expiry Date:**	Apr 19, 2028
Molecular Formula:	$C_{12}H_{22}NO_2$ Br	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	212.31 79.90	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	ELSD	98.5996%
Loss on Drying	TGA	0.368%
Assay		98.2%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity ELSD (%) /100%*
Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Sep 29, 2026

Reviewed by: Koi Date: Sep 29, 2026

Approved by General Manager: David Date: Sep 29, 2026

CATO Research Chemicals Inc.