

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-21 09:37:36

Date of Next Testing: 2025-01-20 09:37:36

Product Name: **N-Butylscopolammonium Bromide**

CAS Number: 149-64-4

Specifications & Purity: 98%

Lot #: A2215432

SKU #: **N302947**

Version: **2**

Analysis #: **058149**

Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Melting point	138-142 (°C)	141.80000 °C
Purity (Argentometric Titration)	97.5-102.5 (%)	99.20000 %
Specific Rotation [α]20/D (5% in water)	-22 ~ -16 (°)	-16.92700 °
Appearance (N302947)	white to off-white powder	White to Off-White Powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager