

Certificate of Analysis

Date of Testing: 2024-11-05 14:08:58

Date of Next Testing: 2027-11-05 14:08:58

Product Name: **N-Butylscopolammonium Bromide**

CAS Number: 149-64-4

Specifications & Purity: 98%

Lot #: A2215433

SKU #: **N302947**

Version: **2**

Analysis #: **430767**

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

Parameter	Limit Values	Result
Purity (Argentometric Titration)	97.5-102.5 (%)	99.20 %
Melting point	138-144 (°C)	141.78000 °C
Specific Rotation [α] _{20/D} (5% in water)	-22--16 (°)	-16.92500 °
Appearance (N302947)	white to off-white to light yellow powder to crystal	White to off-white to Light yellow powder to crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager