

Certificate of Analysis

Date of Testing: 2025-02-08 13:47:18

Date of Next Testing: 2029-02-07 13:47:18

Product Name: **Benzalkonium chloride**

CAS Number: 63449-41-2

Specifications & Purity: $\geq 95\%$

Lot #: D2122069

SKU #: **B103603**

Version: **1**

Analysis #: **468068**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	1.17 %
Sulfate Ash	0-0.5 (%)	0.10 %
amines	0-2.6 (%)	1.00 %
Purity(anhydrous)	95-104 (%)	96.40 %
Purity(HPLC,benzyltrimethylammonium chloride)	60-80 (%)	76.40 %
Purity(HPLC,benzyltrimethyltetradecylammonium chloride)	20-40 (%)	21.90 %
Appearance (B103603)	white to yellow solid,colorless to yellow liquid	white to yellow solid,colorless to yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager