

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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 #: D2122068
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