

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-22 11:42:28
Date of Next Testing: 2027-03-21 11:42:28
Product Name: **Benzalkonium chloride**
CAS Number: 63449-41-2
Specifications & Purity: pharmaceutical,95.0-105.0%
Lot #: C2317406
SKU #: **B103604**
Analysis: **013263**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|--|--|
| Purity (T)(anhydrous) | 95-105 (%) | 96.45 % |
| Water by Karl Fischer | 0-10 (%) | 1.18 % |
| Purity(HPLC,benzyltrimethylammonium chloride) | 60-80 (%) | 76.50 % |
| Purity(HPLC,benzyltrimethyltetradecylammonium chloride) | 20-40 (%) | 21.95 % |
| Appearance (B103604) | white to yellow solid,colorless to yellow liquid | white to yellow solid,colorless to yellow liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in hot H ₂ O , Colorless to Faint Yellow,Clear,1g/10ml | pass | Pass |



John Su
QA & QC Manager