

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-30 17:50:35  
Date of Next Testing: 2026-06-29 17:50:35  
Product Name: **Benzalkonium chloride**  
CAS Number: 63449-41-2  
Specifications & Purity: pharmaceutical,95.0-105.0%  
Lot #: F2228111  
SKU #: **B103604**  
**Analysis:** **107702**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (T)(anhydrous)	95-105 (%)	96.58 %
Water by Karl Fischer	0-10 (%)	2.81 %
Purity(HPLC,benzyltrimethylammonium chloride)	60-80 (%)	73.58 %
Purity(HPLC,benzyltrimethyltetradecylammonium chloride)	20-40 (%)	25.93 %
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 <sub>2</sub> O , Colorless to Faint Yellow,Clear,1g/10ml	pass	Pass



John Su  
QA & QC Manager