

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-11 16:17:47  
Date of Next Testing: 2028-01-10 16:17:47  
Product Name: **Benzalkonium chloride**  
CAS Number: 63449-41-2  
Specifications & Purity: pharmaceutical,95.0-105.0%  
Lot #: A2405074  
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 <sub>2</sub> O , Colorless to Faint Yellow,Clear,1g/10ml	pass	Pass



John Su  
QA & QC Manager