

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-08 10:40:07
Date of Next Testing: 2027-05-07 10:40:07
Product Name: **Benzalkonium chloride**
CAS Number: 63449-41-2
Specifications & Purity: pharmaceutical,95.0-105.0%
Lot #: G1903142
SKU #: **B103604**
Analysis: **218913**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (T)(anhydrous)	95-105 (%)	96.88 %
Water by Karl Fischer	0-10 (%)	5.60 %
Purity(HPLC,benzyltrimethylammonium chloride)	60-80 (%)	65.60 %
Purity(HPLC,benzyltrimethyltetradecylammonium chloride)	20-40 (%)	30.20 %
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