

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2021-12-30 12:02:44
Date of Next Testing:	2025-12-29 12:02:44
Product Name:	Benzalkonium chloride
CAS Number:	63449-41-2
Specifications & Purity:	≥95%
Lot #:	L2125297
SKU #	B103603
Version	1
Analysis #:	063111
Storage Temperature:	Protected from light, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	2.81 %
Sulfate Ash	0-0.5 (%)	0.19 %
amines	0-2.6 (%)	1.53 %
Purity(anhydrous)	95-104 (%)	96.58 %
Purity(HPLC,benzyltrimethylammonium chloride)	60-80 (%)	73.58 %
Purity(HPLC,benzyltrimethyltetradecylammonium chloride)	20-40 (%)	25.93 %
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