

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-07 15:13:13
 Date of Next Testing: 2025-07-06 15:13:13
 Product Name: **Tetrabutylammonium chloride hydrate**
 CAS Number: 37451-68-6
 Specifications & Purity: $\geq 98\%$
 Lot #: J2112219
 SKU #: **T138759**
 Version: **0**
 Analysis #: **248597**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	4.98460 %
Purity(Titration by AgNO ₃)(anhydrous basis)	97.5-102.5 (%)	101.00000 %
Appearance (T138759)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Pale Yellow	pass	Pass
Clear(50 mg/ml)		



John Su
QA & QC Manager