

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-04 15:49:58
 Date of Next Testing: 2024-07-03 15:49:58
 Product Name: **Tetrabutylammonium chloride hydrate**
 CAS Number: 37451-68-6
 Specifications & Purity: $\geq 98\%$
 Lot #: E2230057
 SKU #: **T138759**
 Version: **0**
 Analysis #: **076379**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	4.83560 %
Purity(Titration by AgNO ₃)(anhydrous basis)	97.5-102.5 (%)	101.38000 %
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 Clear(50 mg/ml)	pass	Pass



John Su
QA & QC Manager