

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-16 14:46:58  
Date of Next Testing: 2024-02-16 14:46:58  
Product Name: **hexadecyltrimethylammonium toluene-p-sulphonate**  
CAS Number: 138-32-9  
Specifications & Purity: 98%  
Lot #: D2021087  
SKU #: **H132767**  
Analysis: **074155**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.00300 %
Carbon by Elemental Analysis	66.8-70.2 (%)	66.83 %
Nitrogen by Elemental Analysis	2.6-3.5 (%)	2.68 %
Appearance (H132767)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless,Clear to Very Slightly Hazy,50 mg/ml	pass	Pass



John Su  
QA & QC Manager