

Certificate of Analysis

Date of Testing: 2025-05-13 10:23:56

Date of Next Testing: 2027-05-13 10:23:56

Product Name: **hexadecyltrimethylammonium toluene-p-sulphonate**

CAS Number: 138-32-9

Specifications & Purity: $\geq 98\%$

Lot #: E2512531

SKU #: **H132767**

Version **0**

Analysis #: **464744**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.82000 %
Carbon by Elemental Analysis	66.8-70.2 (%)	67.30 %
Nitrogen by Elemental Analysis	2.6-3.5 (%)	2.93 %
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 ₂ O , Colorless,Clear to Very Slightly Hazy,50 mg/ml	pass	Pass



John Su
QA & QC Manager