

## Certificate of Analysis

Date of Testing: 2023-12-08 15:47:05  
Date of Next Testing: 2027-12-07 15:47:05  
Product Name: **Tetrapropylammonium hydroxide solution**  
CAS Number: 4499-86-9  
Specifications & Purity: 1.0 M in H<sub>2</sub>O(cosolvent:~10% methanol)  
Lot #: L2301338  
SKU #: **T102829**  
Analysis: **302901**

Parameter	Limit Values	Result
Water by Karl Fischer	75-85 (%)	81.57 %
(Br)Bromide	0-0.01 (%)	0.00 %
Purity(Titration by HCl)	0.95-1.1 (mol/L)	0.99 mol/L
Appearance (T102829)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager