

## Certificate of Analysis

Date of Testing: 2024-09-09 15:22:49  
Date of Next Testing: 2028-09-08 15:22:49  
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 #: I2406559  
SKU #: **T102829**  
Version: **0**  
Analysis #: **408965**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	75-85 (%)	75.60%
(Br)Bromide	0-0.01 (%)	0.00%
Purity(Titration by HCl)	0.95-1.1 (mol/L)	1.00 mol/L
Appearance (T102829)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager