

## Certificate of Analysis

Date of Testing: 2025-03-22 13:42:18  
Date of Next Testing: 2029-03-21 13:42:18  
Product Name: **Sodium 1-butanesulfonate**  
CAS Number: 2386-54-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: C2521872  
SKU #: **S112988**  
Version: **0**  
Analysis #: **331873**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.2-30.7 (%)	29.99%
Purity(Ion exchange titration)	97.5-102.5 (%)	100.05%
Appearance (S112988)	white powder, crystals, flakes and/or chunks	white powder, crystals, flakes and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless Clear to Slightly Hazy(10%)	pass	Pass



John Su  
QA & QC Manager