

## Certificate of Analysis

Date of Testing: 2021-11-23 21:46:00  
Date of Next Testing: 2025-11-22 21:46:00  
Product Name: **4-Sulfocalix[4]arene Hydrate**  
CAS Number: 112269-92-8  
Specifications & Purity: >94.0%(HPLC)  
Lot #: K2118025  
SKU #: **S161017**  
**Analysis:** **250669**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	94-100 (%)	98.80000%
Water by Karl Fischer	0-15 (%)	13.10%
Appearance(S161017Color)	White to Gray to Red	White to Gray to Red
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (S161017Form)	Powder to crystal	Powder to crystal



John Su  
QA & QC Manager