

## Certificate of Analysis

Date of Testing: 2023-10-11 12:22:49  
Date of Next Testing: 2027-10-10 12:22:49  
Product Name: **4-Sulfocalix[4]arene Hydrate**  
CAS Number: 112269-92-8  
Specifications & Purity: >94.0%(HPLC)  
Lot #: J2309288  
SKU #: **S161017**  
**Analysis:** **280119**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	94-100 (%)	99.00000 %
Water by Karl Fischer	0-15 (%)	9.70 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(S161017Color)	White to Gray to Red	White to Gray to Red
Appearance (S161017Form)	Powder to crystal	Powder to crystal



John Su  
QA & QC Manager