

Certificate of Analysis

Date of Testing: 2023-08-02 13:31:15
Date of Next Testing: 2025-07-22 13:31:15
Product Name: **Poly(4-styrenesulfonic acid-co-maleic acid) sodium salt**
CAS Number: 68037-40-1
Specifications & Purity: average Mw ~20,000, powder, molar ratio 3:1
Lot #: K2109632
SKU #: **P107092**
Analysis: **258613**

Parameter	Limit Values	Result
Average Molecular Weight	19500-20500	20000.00
PH(1%,in Water)	5-9	5.90
Viscosity(25 wt.% in H2O)	28-32 (cP)	30.25 cP
Solid Content	90-100 (%)	98.10%
Appearance (P107092)	yellow to tan powder	yellow to tan powder
ICP:Confirms Na and S Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager