

Certificate of Analysis

Date of Testing: 2022-08-12 11:36:53
Date of Next Testing: 2024-08-01 11:36:53
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 #: H2209593
SKU #: **P107092**
Analysis: **118679**

| Parameter | Limit Values | Result |
|---------------------------------|-----------------------|-----------------------|
| PH(1%,in Water) | 5-9 | 8.70 |
| Viscosity(25 wt.% in H2O) | 28-32 (cP) | 29.60 cP |
| Solid Content | 90-100 (%) | 95.90% |
| Average Molecular Weight | 19500-20500 | 20000.00 |
| 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 |



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QA & QC Manager