

## Certificate of Analysis

Date of Testing: 2023-08-09 15:59:40  
Date of Next Testing: 2025-07-29 15:59:40  
Product Name: **Poly(4-styrenesulfonic acid-co-maleic acid) sodium salt**  
CAS Number: 68037-40-1  
Specifications & Purity: 4- styrene sulfonic acid: maleic acid (mole ratio 1:1)  
Lot #: K21171022  
SKU #: **P107093**  
Analysis: **262174**

Parameter	Limit Values	Result
Solid Content	90-100 (%)	92.00 %
PH(1%,in Water)	6-8.5	8.10
Average Molecular Weight	19500-20500	19999.50
Appearance (P107093)	Beige to Tan Powder	Beige to Tan Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager