

## Certificate of Analysis

Date of Testing: 2023-01-09 10:55:57

Date of Next Testing: 2027-01-08 10:55:57

Product Name: **Poly(diallyldimethylammonium chloride) solution**

CAS Number: 26062-79-3

Specifications & Purity: Mw 200,000-350,000 ,20 wt. % in water,250-500 cP(25 °C)

Lot #: L22161043

SKU # **P109720**

**Analysis: 157328**

| Parameter                          | Limit Values                             | Result                                   |
|------------------------------------|------------------------------------------|------------------------------------------|
| Refractive index n <sub>20/D</sub> | 1.374-1.376                              | 1.37                                     |
| Concentration                      | 18-22 (wt%)                              | 21.85 wt%                                |
| viscosity                          | 250-500 (cP)                             | 331.70 S                                 |
| mol wt average MW                  | 200000-350000                            | 200010.00                                |
| Appearance (P109720)               | Colorless to Faint Yellow Viscous Liquid | Colorless to Faint Yellow Viscous Liquid |
| Density(25°C) , 1.04 g/mL          | pass                                     | Pass                                     |



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