

Certificate of Analysis

Date of Testing: 2025-04-24 17:07:01

Date of Next Testing: 2029-04-23 17:07:01

Product Name: **Polyquaternium - 11**

CAS Number: 53633-54-8

Specifications & Purity: 20 wt. % in H₂O

Lot #: D2518418

SKU #: **P101212**

Version: **1**

Analysis #: **474326**

Parameter	Limit Values	Result
PH at 25°C(5% in water)	5.5-8.5	5.66
Viscosity(25 °C,neat)	20000-60000 (cP)	26150.00 cP
Solid Content	19-21 (%)	19.30 %
Miscellaneous Assay(Vinylpyrrolidone)	0-1 (%)	0.10000 %
Appearance (P101212)	Colorless Viscous Liquid , May be Hazy	Colorless Viscous Liquid , May be Hazy
Infrared spectrum	Conforms to Structure	Conforms to Structure
Biological Stain Test	Pass	Pass
Solvent(H ₂ O)	Conform	Conform



John Su
QA & QC Manager