

Certificate of Analysis

Date of Testing: 2025-07-09 19:18:25

Date of Next Testing: 2029-07-08 19:18:25

Product Name: **Polyquaternium - 11**

CAS Number: 53633-54-8

Specifications & Purity: 20 wt. % in H₂O

Lot #: G2502438

SKU #: **P101212**

Version: **1**

Analysis #: **531412**

Parameter	Limit Values	Result
PH at 25°C(5% in water)	5.5-8.5	5.52
Viscosity(25 °C,neat)	20000-60000 (cP)	21600.00 cP
Solid Content	19-21 (%)	20.91 %
Miscellaneous Assay(Vinylpyrrolidone)	0-1 (%)	0.00000 %
Appearance (P101212)	Colorless Viscous Liquid , May be Hazy	Colorless Viscous Liquid , May be Hazy
Solvent(H ₂ O)	Conform	Conform
Biological Stain Test	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager