

Certificate of Analysis

Date of Testing: 2025-03-12 14:11:29
Date of Next Testing: 2029-03-11 14:11:29
Product Name: **Polyquaternium - 11**
CAS Number: 53633-54-8
Specifications & Purity: 20 wt. % in H₂O
Lot #: E2127170
SKU #: **P101212**
Version: **1**
Analysis #: **478888**

Parameter	Limit Values	Result
PH at 25°C(5% in water)	5.5-8.5	5.60
Solid Content	19-21 (%)	20.30 %
Viscosity(25 °C,neat)	20000-60000 (cP)	28910.00 cP
Miscellaneous Assay(Vinylpyrrolidone)	0-1 (%)	0.00000 %
Appearance (P101212)	Colorless Viscous Liquid , May be Hazy	Colorless Viscous Liquid , May be Hazy
Biological Stain Test	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solvent(H ₂ O)	Conform	Conform



John Su
QA & QC Manager