

## Certificate of Analysis

Date of Testing: 2023-07-28 17:02:29  
Date of Next Testing: 2026-07-27 17:02:29  
Product Name: **Poly(ethyleneimine) solution**  
CAS Number: 9002-98-6  
Specifications & Purity: average Mn ~60,000 by GPC, average Mw ~750,000 by LS, 50 wt. % in H2O  
Lot #: G2317150  
SKU #: **P434396**  
Analysis: **248425**

Parameter	Limit Values	Result
viscosity	18000-40000 (mPa·S)	27800.00000 mPa·S
Residue on Evaporation	48-52 (%)	49.90%
Infrared spectrum	Conforms to structure	Conforms to Structure
Appearance(P434396)	Colorless or Light Yellow Liquid	Colorless or Light Yellow Liquid



John Su  
QA & QC Manager