

## Certificate of Analysis

Date of Testing: 2024-02-29 13:48:37  
Date of Next Testing: 2027-02-28 13:48:37  
Product Name: **Polyethylenimine, branched**  
CAS Number: 9002-98-6  
Specifications & Purity: average Mw ~25,000 by LS, average Mn ~10,000 by GPC, branched  
Lot #: B2418564  
SKU #: **P434400**  
Version: **1**  
Analysis #: **317924**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.40 %
viscosity	13000-18000 (mPa·S)	15300.00000 mPa·S
Appearance(P434400)	Colorless Viscous Liquid	colorless viscous liquid
Infrared spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager