

## Certificate of Analysis

Date of Testing: 2022-11-09 14:30:01  
Date of Next Testing: 2024-10-29 14:30:01  
Product Name: **Ethylene imine polymer**  
CAS Number: 9002-98-6(water)  
Specifications & Purity: M.W. 70,000,50% in water  
Lot #: K2204645  
SKU #: **E107080**  
Version: **0**  
Analysis #: **148272**

Parameter	Limit Values	Result
PH(5% in water)	10-12	10.80
Concentration	49-51 (%)	49.90%
Viscosity(25 °C,neat)	10000-20000 (mPa·S)	17100.00 mPa·S
Average Molecular Number	65000-75000	70000.00
Appearance (E107080)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager