

## Certificate of Analysis

Date of Testing: 2022-05-20 16:07:13  
Date of Next Testing: 2026-05-19 16:07:13  
Product Name: **Poly(propylene glycol)**  
CAS Number: 25322-69-4  
Specifications & Purity: average Mw 3000  
Lot #: E2216142  
SKU #: **P103211**  
Version: **0**  
Analysis #: **083902**

Parameter	Limit Values	Result
Hydroxy Value	35-40 (mgKOH/g)	38.00 mgKOH/g
Refractive index n <sub>20</sub> /D	1.45-1.452	1.45
Water by Karl Fischer	0-0.05 (%)	0.03%
Acid Value	0-0.08 (mgKOH/g)	0.04 mgKOH/g
Appearance (P103211)	Colorless Liquid	Colorless liquid
Functional testing	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Molecular Weight	Conforms	Conforms
viscosity , 600-650 mPa.s	Conforms	Conforms



John Su  
QA & QC Manager