

## Certificate of Analysis

Date of Testing: 2023-06-29 10:13:54  
Date of Next Testing: 2027-06-28 10:13:54  
Product Name: **Poly(propylene glycol)**  
CAS Number: 25322-69-4  
Specifications & Purity: average Mw 1000  
Lot #: F2317495  
SKU #: **P103210**  
Analysis: **216486**

Parameter	Limit Values	Result
PH(1% in Isopropanol:Water 3:2)	4-7	6.15
Water by Karl Fischer	0-0.5 (%)	0.03 %
Acid Value	0-0.5 (mgKOH/g)	0.00 mgKOH/g
Hydroxy Value	102-125 (mgKOH/g)	112.54 mgKOH/g
Appearance (P103210)	colorless viscous liquid	colorless viscous liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager