

Certificate of Analysis

Date of Testing: 2023-07-05 14:27:14
Date of Next Testing: 2027-07-04 14:27:14
Product Name: **Poly(propylene glycol)**
CAS Number: 25322-69-4
Specifications & Purity: average Mw 400
Lot #: F2325560
SKU #: **P103209**
Analysis: **231631**

| Parameter | Limit Values | Result |
|------------------------------|-----------------------|-----------------------|
| Acid Value | 0-1 (mgKOH/g) | 0.69 mgKOH/g |
| Water by Karl Fischer | 0-0.5 (%) | 0.45 % |
| PH(5% in Methanol:Water 1:1) | 4-7 | 4.43 |
| Hydroxy Value | 200-270 (mgKOH/g) | 222.76 mgKOH/g |
| Appearance (P103209) | Colorless Liquid | Colorless liquid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager