

## Certificate of Analysis

Date of Testing: 2024-09-09 15:34:19  
Date of Next Testing: 2027-09-09 15:34:19  
Product Name: **Glycerol ethoxylate**  
CAS Number: 31694-55-0  
Specifications & Purity: average  $M_n \sim 1,000$   
Lot #: H2430501  
SKU #: **G477916**  
Version: **3**  
Analysis #: **369222**

Parameter	Limit Values	Result
Molecular Number by NMR	950-1050	1016.00000
Hydroxyl value	165-172 (mgKOH/g)	170.98 mgKOH/g
PH(1% in Water)	4-7	5.52
Color Test	0-50 (APHA)	0.00 APHA
Appearance(G477916)	Colorless Viscous Liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager