

## Certificate of Analysis

Date of Testing: 2022-04-18 16:11:34  
Date of Next Testing: 2023-04-18 16:11:34  
Product Name: **Nonaethylene glycol monododecyl ether**  
CAS Number: 3055-99-0  
Specifications & Purity: nonionic surfactant  
Lot #: I1903179  
SKU #: **N124623**  
Analysis: **087032**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.44-1.46	1.45
CMC (H <sub>2</sub> O)	0.04-0.06 (mmol/L)	0.05 mmol/L
Appearance (N124623)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless,Clear,100 mg/mL, H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager