

Certificate of Analysis

Date of Testing: 2023-02-21 11:55:51
Date of Next Testing: 2027-02-20 11:55:51
Product Name: **Glycerol**
CAS Number: 56-81-5
Specifications & Purity: $\geq 99.5\%$ (GC)
Lot #: B2309059
SKU #: **G116205**
Analysis: **190311**

Parameter	Limit Values	Result
Fatty acids & esters (ml 0.1N NaOH/25g)	0-0.2	0.00
Color scale	0-5	2.50
Water by Karl Fischer	0-0.5 (%)	0.30 %
halogen compounds (as Cl)	0-5 (ppm)	2.50 ppm
Heavy metal (as Pb)	0-1 (ppm)	0.21 ppm
Ash	0-0.01 (%)	0.01 %
Esters	≥ 8 (ml)	9.10 ml
Refractive index n ₂₀ /D	1.47-1.475	1.47
Density (20°C)	1.26-1.265	1.26
Purity(GC)	99.5-100 (%)	99.57 %
Sugars ₂	Negative	Negative
Appearance(G116205)	Colorless Viscous Liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager