

## Certificate of Analysis

Date of Testing: 2022-09-20 18:26:49  
Date of Next Testing: 2026-09-19 18:26:49  
Product Name: **Glycerol**  
CAS Number: 56-81-5  
Specifications & Purity: ACS, ≥99.5%  
Lot #: I2214528  
SKU #: **G116206**  
**Analysis:** **113441**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.50 ppm
Fatty acid esters(as butyric acid)	0-0.05 (%)	0.02 %
Sulfate(SO42-)	0-0.001 (%)	0.00 %
Water by Karl Fischer	0-0.5 (%)	0.11 %
Chloride (Cl-)	0-0.003 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.005 (%)	0.00 %
Purity(GC)	99.5-100 (%)	99.92 %
Appearance (G116206)	Colorless liquid	Colorless liquid
Acrolein and glucose	passes test	Passes test
Infrared spectrum	Conforms to Structure	Conforms to Structure
Neutrality	Passes test	Passes test
Substances darkened by sulfuric acid	Pass	Pass



John Su  
QA & QC Manager