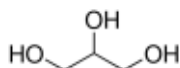


Certificate of Analysis

Product Name:

Glycerol - ACS reagent, ≥99.5%

Product Number: G7893
Batch Number: SHBQ0832
Brand: SIGALD
CAS Number: 56-81-5
MDL Number: MFCD00004722
Formula: C₃H₈O₃
Formula Weight: 92.09 g/mol
Quality Release Date: 14 SEP 2022
Recommended Retest Date: SEP 2025



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
GC (area %)	≥ 99.50 %	99.87 %
Water (by Karl Fischer)	≤ 0.5 %	< 0.1 %
Residue on ignition (Ash)	≤ 0.005 %	0.005 %
Color Test	≤ 10 APHA	< 5 APHA
Acrolein and Glucose	Pass	Pass
Chlorinated Compound as Cl	< = 0.003%	< = 0.003%
Substances Darkened (by H ₂ SO ₄)	Pass	Pass
Fatty Acid Esters as Butyric Acid	≤ 0.05 %	0.02 %
Heavy Metals (as Lead)	< = 2 ppm	< = 2 ppm
Neutrality	Pass	Pass
Sulfate (SO ₄)	< = 0.001%	< = 0.001%
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 3 years	-----	-----

Larry Coers, Director

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis

Product Number: G7893
Batch Number: SHBQ0832

Quality Control
Sheboygan Falls, WI US

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