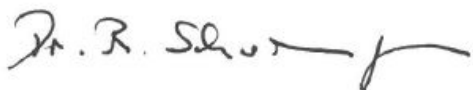


## Certificate of Analysis

**Product Name:** Glycerol  
≥ 99.5 %  
**Product Number:** G9012  
**Batch Number:** BCCD8610  
**Brand:** Sigma-Aldrich  
**CAS Number:** 56-81-5  
**Formula:** HOCH<sub>2</sub>CH(OH)CH<sub>2</sub>OH  
**Formula Weight:** 92.09  
**Quality Release Date:** 16 NOV 2020  
**Recommended Retest Date:** AUG 2023

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	VISCOUS LIQUID	VISCOUS LIQUID
APPEARANCE (TURBIDITY)	CLEAR	CLEAR
PURITY (GC AREA %)	≥ 99.5 %	100.0 %
SOLUBILITY (COLOR)	COLORLESS TO VERY FAINT YELLOW	COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR	CLEAR
SOLUBILITY (METHOD)	1ML/ML, WATER	1ML/ML, WATER
WATER	≤ 0.1 %	0.08 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
WAVELENGTH (1) (UV)	400 NM	400 NM
ABSORBANCE (1)	≤ 0.01	0.00
WAVELENGTH (2) (UV)	340 NM	340 NM
ABSORBANCE (2)	≤ 0.01	0.01
WAVELENGTH (3) (UV)	320 NM	320 NM
ABSORBANCE (3)	≤ 0.02	0.01
WAVELENGTH (4) (UV)	280 NM	280 NM
ABSORBANCE (4)	≤ 0.05	0.01
WAVELENGTH (5) (UV)	225 NM	225 NM
ABSORBANCE (5)	≤ 0.10	0.03
WAVELENGTH (6) (UV)	210 NM	210 NM
ABSORBANCE (6)	≤ 0.30	0.10
WAVELENGTH (7) (UV)	205 NM	205 NM
ABSORBANCE (7)	≤ 1.0	0.39
HEAVY METALS	≤ 5 PPM AS LEAD	PASS

## Certificate of Analysis

**BIO-TESTS**SUITABLE AS A COMPONENT FOR  
CULTURE MEDIA**PASS**

Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland

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.