



**ChemPure\* Brand  
Chemicals**

Lot #: 2020043099  
CP-E1500P

...Pure Quality

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Glycerin**  
USP  
CHEMICAL FORMULA: C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>

F.W.: 92.1000  
CAS No: 56-81-5  
Density: 1.2636

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Assay (C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> )	99.0 - 101.0%	100.0%
Chloride (Cl)	0.001% max.	0.0004%
Chlorinated Compounds (as Cl)	0.003% max.	<0.003%
Color	To pass test	Passes Test
Diethylene Glycol and Related Impurities	To pass test	Passes Test
Fatty Acids and Esters	To pass test	Passes Test
Identification A (USP)	To pass test	Passes Test
Identification B (USP)	To pass test	Passes Test
Identification C (USP)	To pass test	Passes Test
Organic Volatile Impurities	To pass test	Passes Test
Residue on Ignition	0.01% max.	<0.01%
Specific Gravity (25°C)	1.249 min.	1.262
Sulfate (SO <sub>4</sub> )	0.002% max.	0.0003%
Water (H <sub>2</sub> O)	5.0% max.	<0.1%
Date of Manufacture	Record Actual	04/12/2020
Expiration date	Record Actual	04/12/2023
REMARKS		
This material meets the requirements of the United States Pharmacopeia.		

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