

## CERTIFICATE OF ANALYSIS

**Product: Glycerol**

Extra pure grade

Batch No: 227D20010706

Order No.: 227.06

Date of Analysis: 18/04/2020

Retest Date: 18/04/2024


Row	Test Item	Specification	Results
1	Description	Clear, colorless syrupy liquid, having a sweet taste. Has not more than a slight characteristic odor, which is neither harsh nor disagreeable. Is hygroscopic. Its solutions are neutral to litmus.	<b>Conforms</b>
2	Solubility	Miscible with water & with alcohol. Insoluble in chloroform, in ether, & in fixed & volatile oils.	<b>Conforms</b>
3	Color	The color of the sample is not darker than the color of the standard.	<b>Conforms</b>
4	Identification A (IR)	According to reference standard spectrum.	<b>Conforms</b>
6	Identification C (GC)	The retention time of the glycerin peak of the sample solution corresponds to that obtained in the standard solution.	<b>Conforms</b>
7	Refractive index	Between (1.470-1.475)	<b>1.474</b>
8	Chloride	N.M.T 100 ppm	<b>&lt;100</b>
9	Sulfate	N.M.T 200 ppm	<b>&lt;200</b>
10	Residue on ignition	N.M.T 0.1%	<b>0.01</b>
11	Specific gravity	N.L.T 1.249	<b>1.259</b>
12	Water	N.M.T 5.0%	<b>0.05</b>
13	Total Impurities	N.M.T 2.0%	<b>&lt;2.0</b>
14	Assay	N.L.T 98.0	<b>99.4</b>

➤ Methods of analysis based on United States Pharmacopoeia 43.

➤ Specification established in-house.

QC. Manager: Ms. Iravani

Status:



Qualified Person: Dr. Mojallali

QC Approved



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