



Product Specification

Product Name: GLYCEROL AR

Alternate Name(s) 1,2,3-propanetriol; trihydroxypropane; glycerin; glycol alcohol.

Description

Clear colourless syrupy liquid; odourless; sweet taste; hygroscopic.

Properties

Chemical Formula:

Molecular Weight: 92.09

Product Code: GA010

CAS No. 56-81-5

General Information:

Soluble in alcohol and insoluble in ether, benzene and chloroform. Combustible, may explode upon contact with strong oxidizing agents. About 0.6 times as sweet as cane sugar.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH30

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.5% min.

Specific Properties and Impurities [Typical levels]:

Colour (APHA)	≤ 10%
Residue after ignition	≤ 0.005%
Neutrality	Passes test
Chlorinated compounds (as Cl)	≤ 0.003%
Sulfate (SO ₄)	≤ 0.001%
Acrolein and glucose	Passes test
Fatty acid esters (as butyric acid)	≤ 0.05%
Substances darkened by sulfuric acid	Passes test
Heavy metals (as Pb)	≤ 0.0002%
Water (H ₂ O)	≤ 0.5%

CONFORMS TO ACS

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