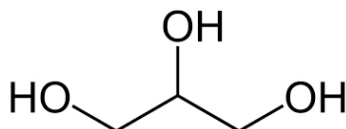


Product Information

GLYCEROL 99,5 % AR

1,2,3-Propanetriol, Glycerine



Product Code	B-3039	Grade	Analytical Reagent
Purity	99,5%	CAS No	56-81-5
Molecular Formula	C ₃ H ₈ O ₃	Molecular Weight	92.09 g/mol
H.S.Code	2905.4500	Shelf Life	48 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colourless
Odour	Odorless	Melting Point/ Freezing point (°C)	20°C
Boiling Point	182°C	Flash point (°C)	160°C
pH value	5.5 - 8	Vapour pressure mm/Hg	0.0033 mm/Hg at 50 °C
Vapour Density	3.18	Density (g/cm ³)	1.25
Solubility in water (% weight)	Soluble in water	Explosion limits – lower (%)	0.90%
Auto-ignition temperature (°C)	370°C		

Packaging

2500 ml & 500 mL

Specification

Appearance	A clear viscous hygroscopic liquid
Assay (GC, calc, on anhydrous basis)	min 99.5 %
Wt. Per ml at 20 °C	1.257 – 1.261 g/cm ³
Colour	max 10 Hazen
Refractive Index (n _D ²⁰)	1.470 – 1.475
Water	max 0.5 %
Heavy metal (as Pb)	max 0.0005 %
Sulphated ash	max 0.005 %
Chloride (Cl)	max 0.001 %
Sulphate (SO ₄)	max 0.002 %
Copper (Cu)	max 0.00005 %

Iron (Fe)	max 0.00005 %
Lead (Pb)	max 0.00005 %
Chlorinated compounds	max 0.003 %
Residu on ignition	max 0.01 %
Fatty acid ester (as butyric acid)	max 0.05 %
Organic impurities	passes test
Sugar	passes test
Substance darkened by Sulphuric acid	Passes test
Total Impurities (Chromatographic including Diethylene Glycol)	max 1.0 %

Safety Information and Hazard Symbols

NO GHS

Symbol: not applicable

Signal Word: Warning

UN No.: not applicable

IMCO Class No.: not applicable

Packing Group: not applicable

Hazardous Statement: not applicable

Precaution Statement: not applicable