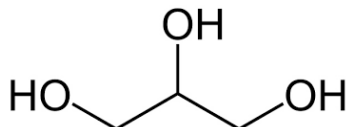


## Product Information

### GLYCEROL 85 % AR

1,2,3-Propanetriol, Glycerine



Product Code	B-3094	Grade	Analytical Reagent
Purity	85%	CAS No	56-81-5
Molecular Formula	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	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 <sup>3</sup> )	1.25
Solubility in water (% weight)	Soluble in water	Explosion limits – lower (%)	0.90%
Auto-ignition temperature (°C)	370°C		

### Packaging

500 ml

### Specification

Appearance	A clear viscous hygroscopic liquid
Assay (alkalimetric after oxidation)	83.5 - 88.5 %
Identity	passes test
Appearance of solution	passes test
Acidity or alkalinity	passes test
Free alkali (as NH <sub>3</sub> )	max 0.0005 %
Free acid (as CH <sub>3</sub> COOH)	max 0.002 %
Wt. Per ml at 20 °C	1.220 – 1.232 g/cm <sup>3</sup>
Refractive Index (n <sub>D</sub> <sup>20</sup> )	1.449 – 1.455
Water	12.0 - 16.0 %
Heavy metal (as Pb)	max 0.0005 %

Sulphated ash	max 0.01 %
Chloride (Cl)	max 0.001 %
Sulphate (SO <sub>4</sub> )	max 0.002 %
Iron (Fe)	max 0.0001 %
Halogenated compound (as Cl)	max 0.003 %
Aldehydes	max 0.001 %
Esters	passes test
Fatty acid ester (as butyric acid)	max 0.05 %
Sugar	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