

# Concept Liquids Limited



<b>Product Name:</b>	Glycerine
<b>Specification Description:</b>	EU and US Pharmacopoeia Glycerine
<b>Specification Reference:</b>	99GLY0003A
<b>CAS No:</b>	56-81-5
<b>Issue No:</b>	1

Parameter	Dim		Limit EP	Glycerine	Method
Appearance			Clear, Colourless	Free from visible foreign matter	EP 6.8 2.2.1
Impurity A and related compounds (GC)			Passes EP limit test	Passes EP limit test	EP 6.8 2.2.28
Identification A,C,D	RI and chem. tests		Passes EP limit test	Passes EP limit test	EP 6.8 2.2.6/ 0496
Glycerine content	%	Min	98.0-101.0	99.5	EP 6.8 0496
Water	%	Max	2.0	0.1	EP 6.8 2.5.12
Colour (APHA)		Max	10	10	ISO 2211
Relative density 20/20C°		Min	-	1.263	EN ISO 12185
Relative index n20D			1,470-1,475	1,470-1,475	EP 6.8 2.2.6
Alkalinity or acidity	MI of 1.1 N NaOH per 50 ml of 50% w/v	Max	0.2	0.2	EP 6.8 0496
Esters	MI of 1.1 N HCl per 50 ml of 50% w/v	Min	8.0	8.0	EP 6.8 0496
Chlorides	ppm	Max	10	5	According to DIN EN 14538
Halogenated compounds	ppm (Cl)	Max	35	35	EP 6.8 0496
Aldehydes	ppm	Max	10	10	EP 6.8 0496
Sugars			Negative	Negative	EP 6.8 0496
Sulphated ash	%	Max	0.01	0.005	EP 6.8 2.4.14
Heavy Metals (as Pb)	ppm	Max	5	5	EP 6.8 2.4.8

**Additional Information:** USP EP Glycerine is supplied by a UKAS accredited member company of the UK Chemicals Industries Association. The Glycerine is manufactured in the European Union.