

Specification

Glycerin, dest. 86,5% USP

CAS no.:	56-81-5
EINECS no.:	200-289-5
Chemical Designation:	1,2,3 Trihydroxypropane
Physical Description:	Clear, colourless liquid

Parameter	Test Method	Specification
Content chemically (%)	EP 05:0497	85,0 – 88,0
Water (%)	EP 2.5.12	12,0 – 15,0
Colour APHA	ISO 2211	max. 10
Chloride (ppm)	EP 2.4.4	max. 10
Sulphate ash (%)	EP 2.4.14	max. 0,01
Refractive index	EP 2.2.6	1,449 - 1,455
Esters (ml)	EP 05:0497	min. 8
Halogenated compounds (ppm)	EP 05:0497	max. 30
Heavy metals (ppm)	EP 2.4.8	max. 5
Aldehydes, reducing substances (ppm)	EP 05:0497	max. 10
Acidity / alkalinity (ml)	EP 05:0497	max. 0,2
Identity	EP 05:0497	meets test A
Appearance	EP 2.2.1/2.2.2 method 2	meets test
Sugar	EP 05:0497	negative
Additional USP requirements:		
Limit of diethylene glycol... (%)	EP 2.2.28	meets test
Organic volatile compounds	USP 467 / IV	meets test
Fatty acid and ester (ml)	USP 541	max. 1
Residue on ignition (mg)	USP 281	max. 5
Sulphate (ppm)	USP 221	max. 20
Specific gravity (g / cm ³ at 25°C)	USP 841	min. 1,2187
EP = European Pharmacopeia USP = U.S. Pharmacopeia		