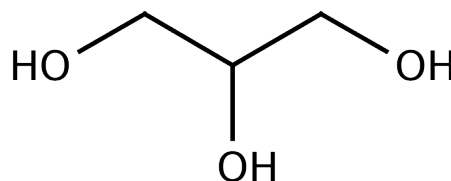


Product Specification

Product Name : Glycerol
Glentham Code : GC2187
CAS Number : 56-81-5
EINECS : 200-289-5
MDL Number : MFCD00004722
PubChem SID : 310274263



Molecular Weight : 92.09
Molecular Formula : C₃H₈O₃
Storage Temp. : +20°C

Property	Specification
Physical Description	Clear, colourless liquid
Assay	≥ 99.5%
Identification	To pass BP, EP, USP tests
Appearance of Solution	25% in water: Clear, colourless solution
Acidity and Alkalinity	≤ 0.2ml (0.1M NaOH)
Refractive Index	1.471 - 1.474 (20°C)
Aldehydes	≤ 10ppm
Esters	≥ 8.0ml (0.1M HCl)
Impurities	Impurity A and related substances: To pass BP, EP tests
Halogenated Compounds	≤ 35ppm
Sugars	To pass BP, EP tests
Chlorides	≤ 10ppm
Heavy Metals	≤ 5ppm
Water	≤ 0.5%
Sulphated Ash	≤ 0.01%
Colour (APHA)	≤ 10 Hazen
Arsenic (As)	≤ 2ppm
Mercury (Hg)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Lead (Pb)	≤ 2ppm
Nickel (Ni)	≤ 20ppm
Butanetriols	≤ 0.2%
3-MCPD	≤ 0.1ppm

Product Specification

Pharmacopoeia Specification(s) BP, EP, USP

Specification Version : v1.0

Date Created : 2013-10-29

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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