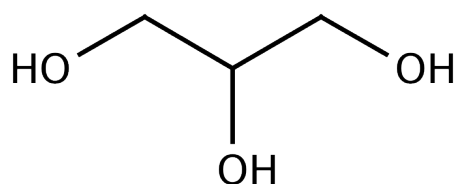


Product Specification

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	C ₃ H ₈ O ₃
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
Pharmacopoeia Specification(s)	BP, EP, USP

Specification Version - v1.0
Date Created - 2013-10-29

Product Specification

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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