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Product Datasheet

GC5551 - Glycerol, 99.5%, Ph. Eur., USP, Ultrapure

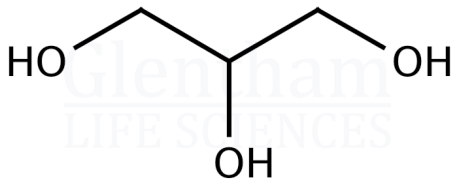
Product Details

Product Name	Glycerol, 99.5%, Ph. Eur., USP, Ultrapure
Glentham Code	GC5551
CAS Number	56-81-5
EINECS	200-289-5
MDL Number	MFCD00004722
Related Categories	Biochemicals, Raw Materials (IVD), Analytical Reagents, Reagents for PCR, Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Northern and Southern Blotting

Structure

Molecular Weight : 92.09

Molecular Formula : $C_3H_8O_3$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	:	Clear, colourless liquid
Identification	:	According to Ph. Eur., USP
Solubility (20% in water)	:	Clear, colourless solution
Acidity or Alkalinity	:	≤ 0.2ml (of 0.1M NaOH required)
Refractive Index	:	1.470 - 1.475
Aldehydes	:	≤ 10ppm
Esters	:	≥ 8.0ml (of 0.1M HCl required)
Diethylene Glycol	:	≤ 0.1%
Any Individual Impurity	:	≤ 0.1% (with a retention time ≤ glycerol, Ph. Eur.)
Total Impurities	:	≤ 0.5% (with a retention time ≥ glycerol, Ph. Eur.)
Any Individual Impurity	:	≤ 0.1% (USP)
Sugars	:	To pass Ph. Eur. test
Chlorides	:	≤ 10ppm
Sulphates	:	≤ 20ppm
Halogenated Compounds	:	≤ 35ppm
Chlorinated Compounds	:	≤ 30ppm
Fatty Acids and Esters	:	≤ 1.0ml (of 0.5M NaOH required)
Colour	:	To pass USP test
Specific Gravity	:	≥ 1.249
Heavy Metals (as Pb)	:	≤ 5ppm
Sulphated Ash	:	≤ 0.01%
Arsenic (As)	:	≤ 3ppm
Lead (Pb)	:	≤ 2ppm
Cadmium (Cd)	:	≤ 1ppm
Mercury (Hg)	:	≤ 1ppm
Water	:	≤ 1.0%
Assay	:	99.5 - 101.0 % (Ph. Eur. test)
Assay	:	99.5 - 101.0 % (USP test)
Pharmacopoeia Specification(s)	:	Ph. Eur., USP
Version	:	v1.1

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About Glycerol, 99.5%, Ph. Eur., USP, Ultrapure

No further details on record.

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