

Specification

Technical Data Sheet

CAS 56-81-5	STORAGE Ambient	MOLECULAR WEIGHT 92.09
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PRODUCT

Glycerol Veg USP

Product number	90035799
CAS number	56-81-5
Molecular formula	HOCH ₂ CH(OH)CH ₂ OH
Molecular weight	92.09 g/mol

PARAMETER	SPECIFICATION
Appearance	Syrupy liquid, unctuous to the touch, colourless or almost colourless, clear, hygroscopic. Miscible with water and ethanol (96%), slightly soluble in acetone, practically insoluble in fatty oils and in essential oils.
Colour (Pt-Co)	≤10
Heavy metals	≤5ppm
Refractive Index	1.470 - 1.475
Water	≤0.5%
Acidity or alkalinity (0,1M NaOH)	≤0.20%
Aldehydes	≤10ppm
Chlorides	≤10ppm
Esters (HCl 0,1M)	≤8.0ml
Halogenated Compounds	≤35ppm
Identification A (Absorption IR) (USP 43)	Meets requirement
Identification B (limit of diethylene glycol) (USP 43)	Meets requirement
Identification B (limit of ethylene glycol) (USP 43)	Meets requirement

PARAMETER	SPECIFICATION
Impurity A and related substances	Meets requirement
Limit of chlorinated compounds	≤30ppm
Purity, (anhydrous base) (EP 10.0) %	≥99.5%
Related compounds (individual impurities)	≤0.1%
Related compounds (total impurities)	≤1.0%
Residue on Ignition	≤0.01%
Specific Gravity	≤1,2490
Sugars	Meets requirement
Sulphated Ash	≤0.01%
Sulphates	≤20ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.
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