

Specification

Technical Data Sheet

CAS**56-81-5****STORAGE****Ambient****MOLECULAR WEIGHT****92.05****PRODUCT****Glycerol from Rapeseed oil acc. to BP/EP/E422 99.5%**

Product number	90037465
CAS number	56-81-5
Molecular formula	C ₃ H ₈ O ₃
Molecular weight	92.05 g/mol

PARAMETER**SPECIFICATION**

Appearance	Liquid
Colour (Pt-Co)	≤10
Water	≤2.0%
3-monochloropropan-1,2-diol (3-MCPD)	≤0.1mg/kg
Acidity or alkalinity (0,1M NaOH)	≤0.2ml
Acrolein	≤3 mg/kg
Aldehydes	≤10ppm
Any other impurities RT < glycerol	≤0.1%
Any other impurities RT > glycerol	≤0.5%
Appearance of Solution	Passes test
Butantrirole (GC Impurity A)	≤0.2%
Cadmium (Cd)	≤0.1mg/kg
Chloride (Cl-)	≤10 mg/kg
Chlorited substances	≤30mg/kg
Diethylene glycol (%)	≤0.1%

PARAMETER	SPECIFICATION
Ethylene glycol	≤0.1%
Fatty acids and esters	≤1.0ml
Fatty acids and esters (as butyric acid)	≤0.1%
Glycerine content	98.00 - 101.00%
Halogenated Compounds	≤35ppm
Identification A.C	Conforms to reference
Identification B,C (GC)	(GC) Conforms to reference
Impurity A (DEG)	≤0.1%
Impurity A and related substances	Passes test
Individual impurity	≤0.1%
Limit of chlorinated compounds	≤0.003%
Refractive index n _{20D} (Identification A)	1.470 - 1.475
Relative density 20 / 20°C	(20 / 20°C) 1.258 - 1.268
Relative density 25 / 25°C	(25 / 25°C) ≥1.257
Residue on Ignition	≤5mg
Specific Gravity	(25/25°C) ≥1.249
Sugars	Negative
Sulfate (USP 23 / 221)	(USP 23 / 221) ≤20ppm
Sulphated Ash	≤0.01%
Total Impurities	≤1.0%
Arsenic (As)	≤0.1mg/kg
Ester Content	≥8.0ml
Lead (Pb)	≤0.1mg/kg
Mercury (Hg)	≤0.1mg/kg
refractive index (n 20/D)	1.471 - 1.474
Volatile organic compounds	Passes test

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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