

ThermoFisher SCIENTIFIC

Product Specifications

Product **295600010**
Glycerol,for analysis,86-88% wt% aqueous solution

General Product Data

Version	3
CAS No	56-81-5
Molecular weight	92.09
Molecular formula	C3 H8 O3
Linear formula	HOCH2CH(OH)CH2OH
Flash point (°C)	160

Product Specifications

Appearance (Color)	Clear colorless
Appearance (Form)	Viscous liquid
Infrared spectrum	Conforms
Titration Iodometric	86.0 to 88.0 %
Water	12.0 to 14.0 % (K.F.)
Heavy metals (as Pb)	=<1 ppm
Sulfated ash	=<0.005 %
Free acid (CH3COOH)	=<0.002 %
Refractive index	1.4520 to 1.4550 (20°C, 589 nm)
Density	(20/4°C) 1.224 to 1.232 g/ml
Arsenic (As)	=<0.5 ppm
Chloride (Cl)	=<1 ppm
Sulfate (SO4)	=<5 ppm
Ammonium (NH4)	=<5 ppm
Iron (Fe)	=<5 ppm
Free alkali (NH3)	=<0.0005 %
Substance darkened by H2SO4	Passes test
Fatty acid esters	=<0.05 %
Reducing substances	=<0.003 %

Product Specifications are subject to amendment and may change over time.

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