

**neoFroxx GmbH**

Marie-Curie-Str. 3  
64683 Einhausen  
+49 6251 989 240  
coa@neofroxx.com  
www.neofroxx.com

## Specification

Product	Glycerol anhydrous pure EP, USP (pharma grade)
Product number	LC-6508
Synonyms	Glycerine
Formula	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>
Molecular weight	92.10 g/mol
CAS number	56-81-5
Storage	below 25°C
Retest period (months)	60

We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP) 11.8 and the US Pharmacopoeia (USP) 48 (revised).

Parameter	Specification
Assay (USP)	99 - 101 %
Assay (EP)	98 - 101 %
Identity (USP, EP)	passes test
Appearance (EP)	clear, colourless or almost colourless, very hygroscopic, syrupy liquid, unctuous to the touch
Solubility (EP)	passes test
Appearance of solution (EP)	clear and colourless
Acidity or alkalinity (EP)	passes test
Refractive index (EP)	1.47 - 1.475
Specific gravity (USP)	>= 1.249
Relative density (EP)	1.258 - 1.268
Chloride (EP, USP)	<= 0.001 %
Sulfate (USP)	<= 0.002 %
Halogen compounds (as Cl) (EP)	<= 0.0035 %
Sugars (EP)	passes test
Aldehydes (EP)	<= 0.001 %
Esters (EP)	passes test
Water (USP)	<= 5 %

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Product	Glycerol anhydrous pure EP, USP (pharma grade)
Parameter	Specification
Water (EP)	<= 2 %
Colour (USP)	passes test
Residue on ignition (Ash) (USP, EP)	<= 0.01 %
Organic impurities (USP)	
individual impurities	<= 0.1 %
total impurities	<= 1 %
Fatty acids and Esters (revised)	passes test
Chlorinated compounds (revised)	<= 0.003 %
Related substances (EP)	
impurity A	<= 0.1 %
any other impurity (retention time less than retention time of glycerol)	<= 0.1 %
total impurities	<= 0.5 %

Einhausen, 19.01.2026