

## Specification Pharmaceutical Glycerine

Property	Limits	Unit	Test method
Glycerine content	min. 99,5	%	PhEur. 7.0
Sulphated ash content	max. 0,01	%	ISO 3987
Water content	max. 0,3	%	EN ISO 12937
Acidity or alkalinity	max. 0,20	ml 0,1 M NaOH	PhEur. 7.0
Esther content	min. 8,0	ml 0,1 M HCl	PhEur. 7.0
Refractive index	1,470 – 1,475	-	PhEur. 7.0
Colour	transparent	APHA	EN ISO 6271-2
Odour	scentless	-	
Density at 20°C	min. 1,245	kg/m <sup>3</sup>	DIN 51757-4
Heavy metals	max. 5	ppm	PhEur. 2.4.8
Chloride	max. 10	ppm	PhEur. 2.4.4
Appereance of the solution	corresponds to test	-	PhEur. 7.0
Aldehydes	max. 10	ppm	PhEur. 6.0/0496
Impurities A	max. 0,1	%	PhEur. 2.2.28
Impurities RT < Glycerine	max. 0,1	%	PhEur. 2.2.28
Impurities RT > Glycerine	max. 0,5	%	PhEur. 2.2.28
Halogenated compounds	max. 35	ppm	PhEur. 6.0/0496
Sugar	corresponds to test	-	PhEur. 7.0

The Pharmaglycerin corresponds to the latest version of the Pharmacopoea Europaea (PhEur.).  
 It must not be used in edible and animal feed products.

	Abteilung	Durchführender	Datum
erstellt	Labor/QM	Jankovich	30.11.2011