

## Refined Glycerine

Analysis	Test Method	Specification	Unit	Results
Aspect at 25°C	VISUAL	<i>Syrupy and oil liquid, colorless, clear and free of impurities (LLI)</i>	-	Confers
Glycerol content (dry basis)	EP7th Ed./USP 38	99,5 a 101,0 %	% m/m	99,7
Identification A - Infra-red	EP7th Ed./USP 38	<i>Confers</i>	-	Confers
Identification B – Infra-red Ethylene and diethylene	USP 38	<i>Diethylene glycol Max. 0,1 Ethylene glycol Max. 0,1</i>	% m/m	< 0,1 < 0,1
Impurities and related substances	EP7th Ed./USP 38	<i>Other impurities Max. 0,1 Total impurities Max. 1,0</i>	% m/m	< 0,1 < 1,0
Identification C - CG	USP 38	<i>Confers</i>	-	Confers
Acidity or alkalinity	EP7th Ed.	<i>Máx. 0,2ml. NaOH 0,1M</i>	mL	0,10
Refractive index	EP7th Ed.	<i>1,470 a 1,475</i>	-	1,474
Aldehydes	EP7th Ed.	<i>Máx. 10 ppm</i>	ppm	< 10
Esters	EP7th Ed./USP 38	<i>Máx. 1,0mL. NaOH 0,5N</i>	mL	0,63
Chlorinated compounds	EP7th Ed./USP 38*	<i>Máx. 30 ppm</i>	ppm	< 30
Chlorides	EP7th Ed./USP 38	<i>Máx. 10 ppm</i>	ppm	< 10
Heavy metals	EP7th Ed./USP 38	<i>Máx. 5 ppm</i>	ppm	< 5
Water content	EP7th Ed./USP 38	<i>Máx. 0,50%</i>	% m/m	0,20
Residue ignition	EP7th Ed./USP 38	<i>Máx. 0,01%</i>	% m/m	< 0,01
Sulphates	USP 38	<i>Máx. 20 ppm</i>	ppm	< 20
Color	USP 38	<i>Confers</i>	-	Confers
Color	ASTM D1209	<i>Máx.10</i>	(APHA)	8
Relative density at 25°C	USP 38	<i>Mín. 1,255</i>	-	1,262