

	TECNICAL DATA SHEET (TDS) REFINED GLYCERINE	Publish Date : 22.07.2020 Revision Date : 22.11.2022 Revision No : 07
	NATIONAL LEGISLATION LIMITS AND LEGEND CHEMICALS PRODUCT SPECIFICATION	

Product Name : REFINED GLYCERINE (PHARMA GRADE)

Shelf Life : 1 year after production

Storage Condition : Keep away from direct sun light, fire and heat sources. Store closed in a ventilated area. Do not freeze the product.

SPECIFICATION	UNIT	TSE 829	E422	USP GRADE	EP GRADE	LEGEND CHEMICALS
Appearance	-	Transparent	Clear, Colorless	Transparent	Clear, Colorless	Clear, Colorless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless
Color	APHA/LAVIBOND	0,2 red-1 yellow LAVIBOND	-	-	-	10 max Apha-0,2 red-1 yellow LAVIBOND
Specific Gravity (25C)	gr/cm3	min. 1,2600	min. 1,2570	min. 1,249	-	min. 1,2600
Glycerine Content	%	min. 98,0	min. 98,0	min. 99,7	98-101	min. 99,7
Sulphate Content (As SO4)	%-ppm	-	-	20 ppm max.	-	10 ppm max.
Sulphate Ash	%	0,01 max.	0,01 max.	-	0,01 max.	0,01 max.
Total Impurities	%	-	-	1,0 max.	-	1 max.
Water Content (Mouisture)	%	-	5 max.	5 max.	2 max.	0,5 max.
Residue on Ignition	%	-	-	0,01 max.	-	0,005 max.
Arsenic	ppm(mg/kg)	2 max.	3 max.	-	-	-
Cadmium	ppm(mg/kg)	-	1 max.	-	-	1 max.
Lead	ppm(mg/kg)	-	2 max.	-	-	1 max.
Mercury	ppm(mg/kg)	-	1 max.	-	-	1 max.
Impurity A-diethylene Glycol	%	-	-	-	0,1 max.	0,1 max.
Impurities with RT<Glycerol	%	-	-	-	0,1 max.	0,1 max.
Impurities with RT>Glycerol	%	-	-	-	0,5 max.	0,5 max.
Individual Impurities	%	-	-	0,1 max.	-	0,1 max.
Chlorinated Compounds	%-ppm	-	30 ppm max	30 ppm max.	-	30 ppm max.
Halogenated Compounds	ppm(mg/kg)	-	-	-	35 ppm max.	35 ppm max.
Diethylene Glycol	%	-	-	-	-	0,1 max.
Ethylene Glycol	%	-	-	-	-	0,1 max.
Fatty Acids & Esters	%	0,02 max.	0,1 max.	-	-	0,02 max.
Aldehydes (as CH2O)	ppm	-	-	-	10 max.	10 max.
Esters	ml 0.1 M HCl	-	-	-	min. 8	min 8
Sugar	-	Suitable	-	-	Suitable	Suitable
Butanetriols	%	-	0,2 max.	-	-	0,2 max.
Identification A(Refractive Index 20 °C	N D 20	-	1.471 - 1.474	-	1.470 - 1.475	1.471 - 1.474
3-Monochloropropane-1,2-diol (3-MCPD)	mg/kg	-	0,1 max.	-	-	0,1 max.
Acrolein, Glycose, Ammonia, Compounds	-	-	Suitable	-	-	Suitable
Acrolein Formation	-	-	Suitable	-	-	Suitable

LEGEND KİMYA SANAYİ VE TİCARET A.Ş

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