

CERTIFICATE OF ANALYSIS (CoA)

Name & ID of Product : Refined Glycerine Lot No : 20042023-01 Origin : Turkey		Production Date : 20.04.2023 Expiration Date : 20.04.2025 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	METHOD & REFERENCE VALUES			TEST RESULT	CONCLUSION
		METHOD	MIN	MAX		
Appearance	-	EP 2.2.1/2.2.2	Clear, Colorless		Clear, Colorless	Complies
Odour	-	TSE 829	Odourless		Odourless	Complies
Color Alpha	APHA	ISO 2111	...	10	< 5	Complies
Specific Gravity (25C)	gr/cm3	EP 2.24.252	1,26	...	1,265	Complies
Glycerine Content (Assay)	%	EP 08:0496	99,70%	...	99,97	Complies
Sulphate Content (As SO4)	%-ppm	USP 221	...	20	< 10	Complies
Sulphate Ash	%	EP 2.4.14	...	0,01	< 0,01	Complies
Water Content (Mouisture)	%	EP 2.5.12	...	0,5	0,07	Complies
Arsenic	ppm(mg/kg)	ICP Hidrur	...	2	< 1	Complies
Cadmium	ppm(mg/kg)	NMKL-161	...	1	< 1	Complies
Lead	ppm(mg/kg)	NMKL-161	...	2	< 1	Complies
Mercury	ppm(mg/kg)	NMKL-186	...	1	< 1	Complies
Impurity A-diethylene Glycol	%	EP 08:0496	...	0,1	< 0,1	Complies
Impurities with RT<Glycerol	%	EP 08:0496	...	0,1	< 0,1	Complies
Impurities with RT>Glycerol	%	EP 08:0496	...	0,5	< 0,5	Complies
Chlorinated Compounds	%-ppm	USP 221	...	30	-	Complies
Halogenated Compounds	ppm(mg/kg)	EP 08:0496	...	35	< 5	Complies
Diethylene Glycol	%	-	...	0,1	< 0,1	Complies
Ethylene Glycol	%	-	...	0,1	< 0,1	Complies
Fatty Acids & Esters	%	TSE 829	...	0,02	0,013	Complies
Aldehydes (as CH2O)	ppm	EP 08:0496	...	10	< 5	Complies
Esters	ml 0.1 M HCl	EP 08:0496	8	...	8	Complies
Sugar	-	EP 08:0496	Suitable		Suitable	Complies
Butanetriols	%	-	...	0,2	< 0,2	Complies
Identification A (Refractive Index 20 °C)	N D 20	EP 08:0496	1,471	1,474	1,474	Complies
3-Monochloropropane-1,2-diol (3-MCPD)	mg/kg	HPLC	...	0,1	< 0,02	Complies
Acrolein, Glycose, Ammonia, Compounds	-	EC Regulation E422	Suitable		Suitable	Complies
Acrolein Formation	-	EC Regulation E422	Suitable		Suitable	Complies

Food Technician and Laboratory
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Production Manager
Mümün SÖNMEZ



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