

CERTIFICATION OF ANALYSIS

Doküman No
Yayın Tarihi
Rev. No
Rev. Tarihi

Name & ID of Product : Refined Glycerine Batch No : Analysis Period : Series : Sample Bottle Details : 2 LT Delivery Type : Bulk Deliveries	Produced Best Before Date Storage Conditions Keep away from direct sun light & Store closed in a ventilated area Do not freeze the product. Keep in the 18-35 °C.
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SPECIFICATION	UNIT	METHOD & REFERENCE VALUES			TEST RESULTS	CONCLUSION
		METHOD	MIN	MAX		
Appearance	-	EP 2.2.1/2.2.2	Clear, Colorless		Clear, Colorless	Complies
Odour	-	TSE 829	Odourless		Odourless	Complies
Glycerine Content (Assay)	%	EP 08:0496	99,5%	...	99,95	Complies
Specific Gravity (25C)	gr/cm3	EP 2.24.252	1,26	...	1,2632	Complies
Color Alpha	APHA	ISO 2111	...	10	< 10	Complies
Impurity A-diethylene Glycol (IMPURITY A AND RELATED SUBSTANCES)	%	EP 08:0496	...	0,1	< 0,1	Complies
Impurities with RT<Glycerol (IMPURITY A AND RELATED SUBSTANCES)	%	EP 08:0496	...	0,1	< 0,1	Complies
Impurities with RT>Glycerol (IMPURITY A AND RELATED SUBSTANCES)	%	EP 08:0496	...	0,5	< 0,5	Complies
Water Content (Moisture)	%	EP 2.5.12	...	0,5	0,04	Complies
Sulphate Ash, 800°C	%	EP.2.4.14	...	0,01	< 0,01	Complies
Chloride Content	ppm	EP 2.4.4	...	10	< 5	Complies
Sulphate Content (as SO4)	%-ppm	USP 221	...	20	< 10	Complies
Lead	ppm(mg/kg)	NMKL-161	...	< 0,1	< 0,1	Complies
Arsenic	ppm(mg/kg)	ICP Hidrür	...	< 0,1	< 0,1	Complies
Mercury	ppm(mg/kg)	NMKL-186	...	< 0,1	< 0,1	Complies
Cadmium	ppm(mg/kg)	NMKL-161	...	< 0,1	< 0,1	Complies
Chlorinated Compounds	%-ppm	USP	...	30	-	-
Halogenated Compounds	ppm(mg/kg)	EP 08:0496	...	35	< 5	Complies
Fatty Acids & Esters	%	TSE 829	...	0,02	0,01	Complies
Diethylene Glycol	%	-	...	0,1	< 0,1	Complies
Ethylene Glycol	%	-	...	0,1	< 0,1	Complies
Identification A (Refractive Index 20 °C)	n D 20	EP 08:0496	1,471	1,474	1,4730	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	%	-	...	< 0,05	< 0,01	Complies
3-Monochloropropane-1,2-diol (3-MCPD)	mg/kg	HPLC	...	< 0,06	< 0,06	Complies
Acrolein Formation	-	C Regulation E42	Suitable		Suitable	Complies
Acrolein, Glycose, Ammonia Compounds	-	C Regulation E42	Suitable		Suitable	Complies

Person in charge of test Analyst	Approval Laboratuary Chief
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