

Technical Data Sheet



Oliglic 99,5 Food Grade

Article-No.: 31005007

- This product is in compliance with EU Directive 231/2012 for the EU food additives E 422 'Glycerol' laying down specific purity criteria on food additives other than colours and sweeteners.
- The product has a relative density of min 1,257 g/ml at 25°C.
- non genetically modified organism
- the material complies with USP / EP test requirements

Revision Date: 08-2016

CAS-No.	: 56-81-5
Certificate	: Kosher and Halal
EINECS-No.	: 200-289-5
HS-No.	: 29.05.45
Category	: Glycerine
Description	: Refined Glycerine 99,5 % non GMO veg. Kosher EP/USP - Food Grade E422

PARAMETER	METHOD	UNIT	SPECIFIED RANGE
Appearance	EP 8.8/0496	~	meets test
Colour	ISO 2211	APHA	≤10
Water Content	EP 8.8/2.5.12	%	≤0,1
Acroleine, Glucose, Ammonium Matter	EC 22.03.12 L83/154	~	meet test
Aldehydes	EP 8.8/0496	ppm	≤10
Alkalinity or Acidity	EP 8.8/0496	ml of 0,1 NaOH l per 50ml of 50% w/v	≤0.2
Arsenic.	DIN EN ISO 17294-2	mg/kg	≤1
Butantrirole (GC Impurity A)	EP 8.8/2.2.28	%	≤0.1
Cadmium.	DIN EN ISO 17294-2	mg/kg	≤1
Chlorid	according to DIN EN 14538	mg/kg	≤10
Chlorinated Compounds	USP 39	%	≤0.003
Diethylene Glycol	USP 39/621	%	≤0.1
Ester	EP 8.8/0496	ml of 0,1 N HCL per 50ml of 50% w/v	>8.0
Ethylene Glycol	USP 39/621	%	≤0.1
Fatty Acids and Esters	USP 39/541	ml.	≤1

PARAMETER	METHOD	UNIT	SPECIFIED RANGE
Fatty Acids and Esters..	calc. as butyric acid	%	≤0.1
Glycerine Content	EP 8.8./0496	%	>99.5
Halogenated Compounds	EP 8.8/0496	ppm	≤35
Heavy Metals	EP 8.8/0496	ppm	≤5
Identification A, C, D	EP 8.8/0469	~	meets test
Identification B,C (GC)	USP 39/621	~	meets test
Identification D (Acrolein)	EC 22.03.12 L83/154	~	meets test
Individual Impurities	USP 39/621	%	≤0.1
Impurity A Similar Compounds	EP 8.8/2.2.28	%	meets test
Lead (Pb)	DIN EN ISO 17294-2	mg/kg	≤2
Mercury.	DIN ISO 16772	mg/kg	≤1
Organic Volatile Impurities	USP 39/467	~	meets test
Refractive Index n 20D	EP 8.8/2.2.6	~	1.471-1.474
Relative Density at 20°C	EN ISO 12185	g/ml	>1.262
Relative Density at 25°C	EN ISO 12185	g/ml	>1.257
Residue on Ignition.	USP 39/281	mg	≤1
Specific Gravity 25/25°C	USP 39/841 II	~	>1.249
Sugars	EP 8.8/0496	~	negative
Sulfate (USP)	according to DIN EN 14538	ppm	≤5
Sulphated Ash	EP 8.8/2.4.14	%	≤0.005
Total Impurities	USP 39/621	%	≤1
3-monochloropropan-1,2-diol	Inst. Kirch 00.14.34.GC	mg/kg	≤0.1