Certificate of Analysis

Lot Number:	EM0964-2003090040
Date of Manufacture:	09.03.2020
Expiry Date:	09.03.2022

Analysis

Test Description	Specification	Result
Glycerine Assay E422 and EP (% m/m):	99.5 –101.0 min	100.0
Acrolein formation on heating E422 (Id A):	Complies	Complies
Specific gravity (25/25 deg C) E422 (Id B):	1.257 min	1.262
Refractive Index at 20 deg C E422 and EP (Id C):	1.471–1.474	1.474
Water, Karl Fischer EP (%):	0.5 max	0.03
Sulphated Ash E422 and EP (%):	0.01 max	Complies
Colour APHA:	10 max	3
Butanetriols E422 (%):	0.2 max	Complies
Acroleine, Glucose, Ammonium Compounds E422:	Complies	Complies
3-MCPD E422 (%):	Complies	Complies
Fatty Acids and Ester E422 (as Butyric Acid)(%):	0.1 max	Complies
Chlorinated Compounds E422 (ppm):	30 max	Complies
Arsenic E422 (mg/kg):	3 max	Complies
Lead E422 (mg/kg):	2 max	Complies
Mercury E422 (mg/kg):	1 max	Complies
Cadmium E422 (mg/kg):	1 max	Complies
Heavy Metals E422 and EP (ppm):	5 max	Complies
Identification A, B, C and D EP:	Complies	Complies
Appearance of solution EP:	Complies	Complies
Acidity and Alkalinity EP (ml 0.1M NaOH):	0.2 max	Complies
Aldehydes EP (ppm):	10 max	Complies

Esters EP (ml 0.1M HCl):	8.0 min	9.1
Impurity A and Related Substances EP:	Complies	Complies
Halogenated Compounds EP (ppm):	35 max	Complies
Sugars EP:	Complies	Complies
Chlorides EP (ppm):	10 Max	Complies

Manufactured from vegetable oil. Complies with the requirements of current editions for Glycerine of EP, EU Regulations 231/2012 (Glycerol E422), 68/2013 and Codex Alimentarius.
The results given above are based on analysis carried out by the manufacturer. Some parameters not tested each batch and determined statistically.
Receipt of this certificate does not free the customer from carrying out their own inspection and testing to verify the product is suitable for use.
