expiry date: 02/2019

Order No.: 426/2017

Certificate of Analysis -- KEY BRAND

14.11.2017

PUMPKINSEED OIL, PRESSED
lot: 8003485001

Specific gravity (20 degree C)		0,918
Refractive index (20 degree C)		1,472
Acid value		2,7
Peroxide value		complies
Iodine value		113
Saponification value		192
Colour lovibond 1" yellow		> 70,0
Colour lovibond 1" red		> 12,0

Fatty acid composition		
Lauric acid	(C 12:0)	< 0,1 %
Myristic acid	(C 14:0)	0,1 %
Myristoleic acid	(C 14:1)	< 0,1 %
Palmitic acid	(C 16:0)	12,6 %
Palmitoleic acid	(C 16:1)	0,1 %
Margaric acid	(C 17:0)	< 0,1 %
Heptadecenoic acid	(C 17:1)	< 0,1 %
Stearic acid	(C 18:0)	6,4 %
Oleic acid	(C 18:1)	29,6 %
Linoleic acid	(C 18:2)	49,9 %
Linolenic acid	(C 18:3)	0,2 %
Arachidic acid	(C 20:0)	0,5 %
Eicosenoic acid	(C 20:1)	0,1 %
Eicosanedienoic acid	(C 20:2)	< 0,1 %
Eicosanetetraenoic acid	(C 20:4)	< 0,1 %
Behenic acid	(C 22:0)	0,2 %
Erucic acid	(C 22:1)	0,3 %
Lignoceric acid	(C 24:0)	0,1 %
Nervonic acid	(C 24:1)	< 0,1 %

Organochloropesticides	acc.to Reg. EU396/05
Organophosphoruspesticides	acc.to Reg. EU396/05

According to all relevant requirements in terms of unwanted substances in food, like residues of pesticides and other contaminants, compliance is given by an appropriate and risk-based monitoring plan. This plan is regular monitored and adjusted, if necessary.

PUMPKINSEED OIL, PRESSED

lot: 8003485001

This product in question is not affected by the GMO problem. Therefore this product does not need to be labelled regarding any genetic modification as per the new GMO regulations 1829/2003 and 1830/2003.

TSE/BSE risk: This raw material is of pure vegetable origin; during its production, storage and transport it has no contact with animal materials so that any contamination can be ruled out.
It is therefore not affected by the regulations with regard to the guidelines stated in chapter 5.2.8 of the European Pharmacopoeia.

HENRY LAMOTTE OILS GMBH

Computer edited certificate - valid without signature