

HENRY LAMOTTE OILS GMBH, POSTFACH / P.O. BOX 10 38 49, D-28038 BREMEN

Bronson & Jacobs Pty.Ltd
 NZ division of IXOM Operations P/L (Inc in Aust)
 Office Tower, Level 5, 277 Broadway

production date: 12/2020
 expiry date: 08/2022

1023 Newmarket, Auckland
 New Zealand

Order No: 4505580235

Certificate of Analysis

09.12.2020

GROUNDNUT OIL, REFINED
lot: 8007178002
Ph.Eur.10, 2020, BP 2020

Specific gravity (20 degree C)	0,913
Refractive index (40 degree C)	1,463
Refractive index (20 degree C)	1,470
Acid value	0,05
Peroxide value	complies
Iodine value	86
Saponification value	188
Unsaponifiable Matter	0,90 %
Alkaline impurities	complies
Water	< 0,1 %
Colour gardner	1,3
Colour lovibond 5 1/4" yellow	7,0
Colour lovibond 5 1/4" red	0,7
Fatty acid composition	
Lauric acid	(C 12:0) < 0,1 %
	(< C 14:0) < 0,1 %
Myristic acid	(C 14:0) < 0,1 %
Myristoleic acid	(C 14:1) < 0,1 %
	(< C 16:0) < 0,1 %
Palmitic acid	(C 16:0) 6,8 %
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) 1,9 %
Oleic acid	(C 18:1) 68,4 %
Linoleic acid	(C 18:2) 14,2 %
Linolenic acid	(C 18:3) 0,2 %
Octadecatetraenoic acid	(C 18:4) < 0,1 %
Arachidic acid	(C 20:0) 1,0 %
Eicosenoic acid	(C 20:1) 2,4 %
Eicosanedienoic acid	(C 20:2) < 0,1 %
Eicosanetetraenoic acid	(C 20:4) < 0,1 %
Behenic acid	(C 22:0) 2,7 %
Erucic acid	(C 22:1) 0,3 %
Lignoceric acid	(C 24:0) 1,9 %
Nervonic acid	(C 24:1) < 0,1 %

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Identity	complies
Purity	complies

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.

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.

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Computer edited certificate - valid without signature