

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

production date: 02/2021

expiry date: 08/2022

Producing country: France

Certificate of Analysis

12.05.2021

ARGAN OIL, PRESSED, ORGANIC PRODUCTION lot: 8007536002

	values	target Product Specification	
		<u>min</u>	<u>max</u>
Specific gravity (20 degree C)	0,916	0,914	0,917
Refractive index (20 degree C)	1,471	1,468	1,473
Acid value	1,82		4,0
Peroxide value	complies		
Saponification value	192	187	197
Colour lovibond 5 1/4" yellow	30,0		
Colour lovibond 5 1/4" red	4,5		
Colour gardner	4,4		
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)	13,4 %	10,0	15,0
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)	6,1 %	3,0	8,0
Oleic acid (C 18:1)	47,0 %	38,0	50,0
Linoleic acid (C 18:2)	31,7 %	30,0	40,0
Linolenic acid (C 18:3)	0,1 %		5,0
Octadecatetraenoic acid (C 18:4)	0,1 %		
Arachidic acid (C 20:0)	0,4 %		1,0
Eicosenoic acid (C 20:1)	0,4 %		1,0
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)	< 0,1 %		
Lignoceric acid (C 24:0)	0,1 %		
Nervonic acid (C 24:1)	< 0,1 %		

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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.

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