

4530139385, 209554

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

expiry date: 01/2018

Order No.: 4530139385 dtd. 27.01.2016

Certificate of Analysis – KEY BRAND

Bremen, 05.02.2016

SHEA BUTTER, REFINED lot: 1000002500

Refractive index (40 degree C)	1,459
Acid value	0,1
Peroxide value	complies
Iodine value	60
Saponification value	184
Melting point (open capillary method)	38 °C
Colour gardner	1,5
Colour Iovibond 5 1/4" yellow	7,9
Colour Iovibond 5 1/4" red	1,4

Fatty acid composition		
Lauric acid	(C 12:0)	< 0,05 %
Myristic acid	(C 14:0)	< 0,05 %
Myristoleic acid	(C 14:1)	< 0,05 %
Palmitic acid	(C 16:0)	3,37 %
Palmitoleic acid	(C 16:1)	< 0,05 %
Margaric acid	(C 17:0)	0,08 %
Heptadecenoic acid	(C 17:1)	< 0,05 %
Stearic acid	(C 18:0)	44,99 %
Oleic acid	(C 18:1)	43,28 %
Linoleic acid	(C 18:2)	5,73 %
Linolenic acid	(C 18:3)	0,08 %
Octadecatetraen acid	(C 18:4)	< 0,05 %
Arachidic acid	(C 20:0)	1,51 %
Eicosenoic acid	(C 20:1)	0,24 %
Eicosanedienoic acid	(C 20:2)	0,56 %
Eicosanetraenoic acid	(C 20:4)	< 0,05 %
Behenic acid	(C 22:0)	0,17 %
Erucic acid	(C 22:1)	< 0,05 %
Lignoceric acid	(C 24:0)	< 0,05 %
Nervonic acid	(C 24:1)	< 0,05 %
Other		-0,01 %

SHEA BUTTER, REFINED



lot: 1000002500

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 regularly monitored and adjusted, if necessary.

Solvent residues: The pharmaceutical auxiliary material fulfills the requirements made of solvent residues in the European Pharmacopoeia (CPMP/ICH/283/95) and the USP (467 Residual solvents). Notwithstanding, the food law requirements are fulfilled.

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