



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: MANGO, BUTTER**

**LOT NUMBER: LOT0002229**

PRODUCT INCI: MANGIFERA INDICA SEED

PRODUCT CODE: K0280

CAS NUMBER: 90063-86-8

EINECS NUMBER: 290-045-4

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 21/01/19

BEST BEFORE DATE: 21/01/21

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	SOFT – SEMI SOLID BUTTER	-
COLOUR	OFF WHITE – PALE YELLOW	-
COLOUR (GARDNER)	<6.0	2.7
ODOUR	ODOURLESS	-
MELTING POINT (C)	45.0 – 55.0	-
FREE FATTY ACID (% AS OLEIC)	<0.25	0.04
IODINE VALUE	40.0 – 55.0	45.09
SAPONIFICATION VALUE (MG KOH/G)	180.0 – 195.0	-
UNSATURATED MATTER (%)	<5.0	0.74
ACID VALUE (MGKOH/G)	<0.5	-
PEROXIDE VALUE	<10.0	0.7
MOISTURE	<0.10	-

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
<b>C12:0</b>	LAURIC	<1.5	-
<b>C14:0</b>	MYRISTIC	<1.5	-
C16:0	PALMITIC	11.0 – 17.0	12.03
<b>C16:1</b>	PALMITOLEIC	<1.0	0.09
C18:0	STEARIC	30.0 – 45.0	39.6
C18:1	OLEIC	36.0 – 51.0	45.6
C18:2	LINOLEIC	3.0 – 8.0	6.04
C18:3	LINOLENIC	<0.8	0.09
C20:0	ARACHIDIC	<2.0	0.42
C20:1	ICOSENOIC	<1.0	0.16
C22:0	BEHENIC	<1.0	0.14

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