

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: MANGO, BUTTER**

**LOT NUMBER: LOT0003137**

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: 17/05/2019

BEST BEFORE DATE: 17/05/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	SOFT – SEMI SOLID BUTTER	-
COLOUR	OFF WHITE – PALE YELLOW	-
COLOUR (GARDNER)	<6.0	-
ODOUR	ODOURLESS	-
MELTING POINT (C)	45.0 – 55.0	-
FREE FATTY ACID (% AS OLEIC)	<0.25	0.04
IODINE VALUE	40.0 – 55.0	44.82
SAPONIFICATION VALUE (MG KOH/G)	180.0 – 195.0	-
UNSAPONIFIABLE MATTER (%)	<5.0	0.75
ACID VALUE (MGKOH/G)	<0.5	-
PEROXIDE VALUE	<10.0	0.4
MOISTURE	<0.10	0

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C12:0	LAURIC	<1.5	-
C14:0	MYRISTIC	<1.5	-
C16:0	PALMITIC	04 - 09	06.4
C16:1	PALMITOLEIC	<1.0	-
C18:0	STEARIC	35.0 – 45.0	39.4
C18:1	OLEIC	35.0 – 50.0	46.1
C18:2	LINOLEIC	01 - 04	02.8
C18:3	LINOLENIC	<0.8	-
C20:0	ARACHIDIC	02 - 06	04.3
C20:1	ICOSENOIC	<1.0	-
C22:0	BEHENIC	<1.0	-