



CERTIFICATE OF ANALYSIS

PRODUCT NAME: BRAZIL NUT OIL, REFINED

LOT NUMBER: LOT 0000118

PRODUCT INCI: BERTHOLLETIA EXCELSA SEED

PRODUCT CODE: K0077

CAS NUMBER: 160965-04-8

EINECS NUMBER: 310-127-6

MANUFACTURING METHOD: COLD PRESSED & REFINED

MANUFACTURE DATE: 13/4/2018

BEST BEFORE END: 30/9/2019

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	CLEAR – LIGHT YELLOW	-
COLOUR (LOVIBOND)	<30y, 2.5R	20/1.4
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.890 – 0.950	0.921
REFRACTIVE INDEX @ 20°C	1.46 – 1.48	1.471
SAPONIFICATION VALUE	150.0 – 210.0	192
UNSAAPONIFIABLE MATTER	<1.5	0.5
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE	<5.0	1.4
IODINE VALUE	70.0 – 115.0	104

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C14:0	MYRISTIC	<2.0	0,3
C16:0	PALMITIC	12.0 – 17.0	15.7
C16:1	PALMITOLEIC	<1.5	0.1
C18:0	STEARIC	3.0 – 10.0	4.3
C18:1	OLEIC	30.0 – 45.0	42.2
C18:2	LINOLEIC	30.0 – 46.0	36.2
C18:3	LINOLENIC	<1.0	0.2
C20:0	ARACHIDIC	<1.0	0.5
c20:1	EICOSENOIC	<1.0	0.2
OTHERS		<2.0	0.1

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