

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS

BRAZIL NUT OIL

DESCRIPTION

PRODUCT: Brazil Nut Oil, Refined
INCI NAME: Bertholletia Excelsa Seed
CAS No: 356065-50-4
EINECS No: 310-127-6
MANUFACTURING METHOD: Cold Pressed & Refined

CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	CONFORMS
COLOUR	CLEAR – LIGHT YELLOW	CONFORMS
COLOUR (LOVIBOND)	<30Y, 2.5R	25Y/1.7R
ODOUR	ODOURLESS	CONFORMS
SPECIFIC GRAVITY @ 20°C	0.890 – 0.950	0.922
REFRACTIVE INDEX @ 20°C	1.46 – 1.48	1.470
SAPONIFICATION VALUE	150.0 – 210.0	191
UNSAAPONIFIABLE MATTER	<1.5	0.9
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE	<15.0	1.6
IODINE VALUE	70.0 – 115.0	106

FATTY ACID PROFILE			RANGE %	RESULTS
C-CHAIN		ACID NAME		
C14:0		MYRISTIC	<2.0	0.3
C16:0		PALMITIC	12.0 – 17.0	14.8
C16:1		PALMITOLEIC	<1.5	0.1
C18:0		STEARIC	3.0 – 10.0	3.9
C18:1		OLEIC	30.0 – 45.0	43.4
C18:2		LINOLEIC	30.0 – 46.0	36.6

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Brazil Nut Oil - COA

C18:3		ALPHA LINOLENIC	<1.0	0.2
C20:0		ARACHIDIC	<1.0	0.2
C20:1		EICOSENOIC	<1.0	0.1
OTHERS			<2.0	0.2

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