Avena Lab
Farmadria d.o.o. Since 1991.

Import and distrubition for Serbia: Avena Lab - Farmadria d.o.o.
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TECHNICAL DATA SHEET

Product Name	**BRAZIL NUT OIL**
Botanical Name	Bertholletia excelsa
Product Code	PCO4038
INCI Name	Bertholletia excelsa (Brazil Nut) Oil
CAS#	356065-50-4 ; 160965-04-8

Part Used	Nuts
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

PROPERTIES	**SPECIFICATIONS**
Appearance	Pale yellow to golden colored liquid
Odour	Characteristic slight nutty odour
Refractive Index	1.460 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.890 - 0.950 @ 25°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O_2/kg)	Less than 10.0
Iodine Value (g I_2/100g)	70 - 130
Free Fatty Acids (% oleic)	Less than 0.5
Acid Value (mgKOH/g)	Less than 1.0
Solubility	Soluble in cosmetic esters and fixed oils Insoluble in water

FATTY ACID COMPOSITION:

FATTY ACID	**C-CHAIN**	**SPECIFICATIONS (%)**
Lauric Acid	C12:0	Maximum 0.50
Myristic Acid	C14:0	Maximum 0.50
Palmitic Acid	C16:0	10.00 – 15.00
Palmitoleic Acid	C16:1	0.10 – 0.50
Stearic Acid	C18:0	8.00 – 12.00
Oleic Acid	C18:1 (n-9)	35.00 – 45.00
Linoleic Acid	C18:2 (n-6)	30.00 – 40.00
Alpha-Linolenic Acid	C18:3 (n-3)	0.50 – 1.50

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MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

HEAVY METAL TESTS	SPECIFICATIONS	STANDARDS
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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