

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>BRAZIL NUT OIL</b>
<b>Botanical Name</b>	Bertholletia excelsa
<b>Product Code</b>	PCO4038
<b>CAS #</b>	356065-50-4
<b>INCI Name</b>	Bertholletia excelsa (Brazil Nut) Oil

<b>Part Used</b>	Nuts
<b>Extraction Method</b>	Cold Pressed
<b>Quality</b>	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Colorless to pale yellow colored liquid
<b>Odour</b>	Almost odourless
<b>Refractive Index</b>	1.460 - 1.480 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.900 - 0.950 @ 25°C
<b>Saponification Value (mgKOH/g)</b>	170 - 210
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 2.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	100 - 120
<b>Free Fatty Acids (% oleic)</b>	Less than 0.25
<b>Acid Value (mgKOH/g)</b>	Less than 5.0
<b>Solubility</b>	Soluble in alcohols and fixed oils; Insoluble in water

### FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
<b>Lauric Acid</b>	C12:0	Maximum 1.0
<b>Myristic Acid</b>	C14:0	Maximum 1.0
<b>Palmitic Acid</b>	C16:0	5.00 – 20.00
<b>Palmitoleic Acid</b>	C16:1	0.10 – 0.50
<b>Stearic Acid</b>	C18:0	5.00 – 17.00
<b>Oleic Acid</b>	C18:1 (n-9)	35.00 – 50.00
<b>Linoleic Acid</b>	C18:2 (n-6)	25.00 – 40.00

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

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