TECHNICAL DATA SHEET

Product Name: MARULA OIL
Botanical Name: Sclerocarya birrea
Product Code: PCO4052
INCI Name: Sclerocarya Birrea (Marula) Seed Oil

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

PROPERTIES | SPECIFICATIONS
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Appearance | Clear light yellow colored liquid
Odour | Characteristic mild nutty odour
Refractive Index | 1.460 - 1.480 @ 20°C
Specific Gravity (g/mL) | 0.905 - 0.930 @ 20°C
Saponification Value (mgKOH/g) | 185 - 215
Peroxide Value (meq O₂/Kg) | Less than 10.0
Iodine Value (g I₂/100g) | 60 - 80
Acid Value (mgKOH/g) | Less than 5.0
Solubility | Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<table>
<thead>
<tr>
<th>FATTY ACID</th>
<th>C-CHAIN</th>
<th>SPECIFICATIONS (%)</th>
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</thead>
<tbody>
<tr>
<td>Palmitic Acid</td>
<td>C16:0</td>
<td>9.00 – 12.00</td>
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<tr>
<td>Stearic Acid</td>
<td>C18:0</td>
<td>5.00 – 8.00</td>
</tr>
<tr>
<td>Oleic Acid</td>
<td>C18:1 (n-9)</td>
<td>70.00 – 78.00</td>
</tr>
<tr>
<td>Linoleic Acid</td>
<td>C18:2 (n 6)</td>
<td>4.00  7.00</td>
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<tr>
<td>Alpha-Linolenic Acid</td>
<td>C18:3 (n-3)</td>
<td>0.10 – 0.70</td>
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<tr>
<td>Arachidic Acid</td>
<td>C20:0</td>
<td>Maximum 1.00</td>
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</tbody>
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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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