

## TECHNICAL DATA SHEET

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Product Name</b>   | <b>CACAY (KAHAI) OIL</b>         |
| <b>Botanical Name</b> | Caryodendron orinocense          |
| <b>Product Code</b>   | PCO4097                          |
| <b>CAS #</b>          | 1453469-52-7                     |
| <b>INCI Name</b>      | Caryodendron orinocense Seed Oil |

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

| <u>PROPERTIES</u>                            | <u>SPECIFICATIONS</u>                                  |
|--|--|
| <b>Appearance</b>                            | Pale yellow to brown colored liquid                    |
| <b>Odour</b>                                 | Characteristic odour                                   |
| <b>Refractive Index</b>                      | 1.460 - 1.490 @ 20°C                                   |
| <b>Specific Gravity (g/mL)</b>               | 0.900 - 0.960 @ 20°C                                   |
| <b>Saponification Value (mgKOH/g)</b>        | 160 - 190  |
| <b>Peroxide Value (meq O<sub>2</sub>/kg)</b> | Less than 10.0   |
| <b>Iodine Value (g I<sub>2</sub>/100g)</b>   | 110 - 150  |
| <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>Myristic Acid</b>    | C14:0          | Maximum 0.30              |
| <b>Palmitic Acid</b>    | C16:0          | 8.00 – 13.00              |
| <b>Palmitoleic Acid</b> | C16:1 (n-7)    | Maximum 0.50              |
| <b>Stearic Acid</b>     | C18:0          | 2.00 – 5.00               |
| <b>Oleic Acid</b>       | C18:1 (n-9)    | 8.00 – 16.00              |
| <b>Linoleic Acid</b>    | C18:2 (n-6)    | 58.00 – 85.00             |
| <b>Arachidic Acid</b>   | C20:0          | Maximum 0.70              |

### 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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