


**QUALITY ASSURANCE CERTIFICATE No. 20050127 - 208**

|                          |                              |
|--------------------------|------------------------------|
| <b>DATE:</b>             | 01 - 2005                    |
| <b>LOT No.:</b>          | 20050127 - 208               |
| <b>PRODUCT:</b>          | ORGANIC CRUDE PALMKERNEL OIL |
| <b>PRODUCTION DATE:</b>  | 24 - 01 - 2005               |
| <b>BEST BEFORE DATE:</b> | 24 - 01 - 2006               |
| <b>PACKED:</b>           | CARTONS 25Kg PER BOX         |

**PRODUCT QUALITY**

| ESSAY                                       | RESULT          | METHOD        |
|---|-----------------|---------------|
| % FFA as Lauric Acid                        | 0.20            | AOCS Ca 5a-40 |
| Lovibond Color (51/4")                      | 1.2R 70.0Y 0.0B | AOCSCc13e-92  |
| Moisture and Volatile Matter, (%)           | 0.17            | AOCS Ca2c-25  |
| Impurities, (%)                             | 0.03            | AOCS Ca 3-46  |
| Slip Melting Point, (°C)                    | 27.0            | AOCS Cc 3-25  |
| Iodine Value, (g /100 g)                    | 19.52           | AOCS Cd 1-25  |
| Peroxide Value, (mq O <sub>2</sub> /1000 g) | 0.39            | AOCS Cd 8-53  |
| Calculated Saponification Value             | 241.05          | AOCS Cd 3a-94 |

| ACID        | FORMULA | CONT. (%) |
|-------------|---------|-----------|
| CAPROIC     | C 6:0   | ---       |
| CAPRILIC    | C 8:0   | 3.76      |
| CAPRIC      | C 10:0  | 3.51      |
| LAURIC      | C 12:0  | 47.82     |
| MIRISTIC    | C 14:0  | 16.22     |
| PALMITIC    | C 16:0  | 8.17      |
| PALMITOLEIC | C 16:1  | ---       |
| STEARIC     | C 18:0  | 2.35      |
| OLEIC       | C 18:1  | 14.93     |
| LINOLEIC    | C 18:2  | 2.52      |
| LINOLENIC   | C 18:3  | ---       |
| ARACHIDIC   | C 20:0  | ---       |

**ALEX A. WEBER MARTÍNEZ**  
Quality Control Laboratory

**MANUEL A. RODRIGUEZ F.**  
Quality Director