

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Mango Butter  
**INCI Name:** Mangifera Indica seed butter  
**CAS Number:** 90063-86-8  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

| Specifications            | Limits      | Results                           |
|---------------------------|-------------|-----------------------------------|
| Appearance                |             | Semi-Solid Fat                    |
| Color                     |             | Pale Yellow                       |
| Odor                      |             | Free from rancid or foreign odors |
| Iodine Value (gl2/100)    | 40-55       | 46.3                              |
| Peroxide Value (mq/kg)    | 5.0 maximum | 1.1                               |
| Acid Value (mg KOH/g)     | 0.5 maximum | 0.30                              |
| Saponification Value (mg) | 180-195     | 186.6                             |
| Unsaponifiable Matter (%) | 5.0 maximum | 1.2                               |
| Color (gardner)           | 4.0 maximum | 1.6                               |
| FATTY ACID COMPOSITION    |             |                                   |
| C16:0 Palmitic            | 2-18        | 11.80                             |
| C18:0 Stearic             | 30-45       | 41.04                             |
| C18:1 Oleic               | 38-50       | 39.72                             |
| C18:2 Linoleic            | 3-7         | 5.74                              |
| C20:0 Arachidic           | 2.0 Maximum | 0.96                              |

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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