

## CERTIFICATE OF ANALYSIS

|                             |  |                         |           |
|-----------------------------|--|-------------------------|-----------|
| <b>Product Name</b>         | CANDELILLA WAX   |                         |           |
| <b>Botanical Name</b>       | <i>EUPHORBIA CERIFERA (CANDELILLA) WAX</i>   |                         |           |
| <b>CAS NUMBER:</b>          | 8006-44-8  | <b>EINECS NUMBER:</b>   | 232-347-0 |
| <b>Report Date</b>          | 20221026   | <b>Expiry Date</b>      | 20221026  |
| <b>Batch Number</b>         | 20221026   | <b>Manufacture Date</b> | 20241025  |
| <b>MANUFACTURING METHOD</b> | WILD HARVESTING, THE WAX IS MELTED/WATER WASHED, MELTED (100C) FILTERED & PASTILLATED. |                         |           |

| Item of Analysis                | Specification   | Results  | Test Methods                    |
|---------------------------------|-----------------|----------|---------------------------------|
| <b>Organoleptic</b>             |                 |          |                                 |
| Appearance                      | PELLETS         | Conforms | Organoleptic                    |
| Color                           | ORANGE - YELLOW | Conforms | Organoleptic                    |
| Odor                            | CHARACTERISTIC  | Conforms | CP2010                          |
| Taste                           | CHARACTERISTIC  | Conforms | CP2010                          |
| <b>Physical Characteristics</b> |                 |          |                                 |
| DROP MELTING POINT (°C)         | 66.0 – 74.0     | 72       | CP2010                          |
| CONGEALING POINT (°C)           | 64.0 – 73.0     | 71       | NF Monograph for Candelilla Wax |
| SAPONIFICATION VALUE            | 43.0 – 65.0     | 45       | NF Monograph for Candelilla Wax |
| ESTER VALUE                     | 31.0 – 43.0     | 40       | NF Monograph for Candelilla Wax |
| Melting point (°C)              | 68.5 – 72.5     | 70       | Current NF Monograph            |
| Heavy Metals                    | NMT 20 ppm      | Conforms | Current NF Monograph            |
| Limit of Lead                   | NMT 3 ppm       | Conforms | Current NF Monograph            |
| Residual Solvents               | Complies        | Conforms | Current NF Monograph            |

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

