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Certificate of Analysis Sheet

Organic Neem Oil

(*Azadirachta indica*)

| | | | |
|---------------------------|----------------------|--------------------------------|-----------------------------------|
| Batch Number: | 240621-1 | Application: | Cosmetics |
| Trade Name: | Neem Oil Organic | Inci Name: | <i>Melia Azadirachta Seed Oil</i> |
| Cas No: | 8002-65-1/90063-92-6 | Einecs No: | 290-052-2 |
| Country of Origin: | India | Country of Manufacture: | India |

Description:

The oil is obtained by cold pressing from the seeds of the Neem Tree, *Melia azadirachta L.*, *Meliaceae*

| ANALYTICAL DETAILS | UNIT | RANGE | RESULT |
|--------------------------|------------------------|---|----------|
| Appearance | Organoleptic | Oily liquid at approx. 20°C, turning waxy then solid at temperatures below approx. 10°C | Conforms |
| Colour | Organoleptic | Brown to greenish brown | Conforms |
| Odour | Organoleptic | Characteristic | Conforms |
| Refractive Index @ 20°C | - | 1.450 – 1.490 | 1.471 |
| Specific Gravity @ 20°C | g/ml | 0.900 – 0.975 | 0.933 |
| Acid Value | mg KOH/g | ≤ 20.0 | 7.9 |
| Peroxide Value | meq O ₂ /kg | ≤ 20.0 | 3.9 |
| Saponification Value | mg KOH/g | 190 - 200 | 194.5 |
| Unsaponifiable Matter | % | ≤ 4.0 | 0.3 |
| Heavy Metals | ppm | ≤ 10.0 | N/D |
| Azadiractin Content | ppm | ≤ 2500 | 612.35 |
| Flash Point (Closed Cup) | °C | >280° | Conforms |

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Shelf Life: The shelf life is 24 months from the date of manufacture, if unopened. Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure. Any remaining oil should be blanketed with nitrogen and used as soon as possible.