

Certificate of Analysis [C.O.A]

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|---------------------------|--|----------------------|
| PRODUCT NAME | Neem Oil | |
| CAS Number | 8002-65-1 | |
| Botanical Name | Azadirachta indica | |
| SOURCE | Cold Pressed extraction of Neem kernels | |
| PRODUCT APPEARANCE | brown to greenish brown liquid. | By Visual Inspection |
| SOLUBILITY | Soluble in alcohol & oils. Insoluble in water. | |
| Specific Gravity | 0.908 to 0.934 @ 25 °C | Complies |
| Refractive Index | 1.461 to 1.470 @ 25 °C | Complies |
| Heavy metal | Not more than 5ppm | |
| Microbial Count | Nil | |

FATTY ACID COMPOSITION / MAJOR COMPONENTS DATA

| Fatty Acid | Range | Result |
|---|--------------|---------------|
| Linoleic acid | 5-15% | 12% |
| Oleic acid | 22-28% | 25% |
| Palmitic acid | 15-30% | 18% |
| Stearic acid | 8-22% | 15% |
| Iodine value | 60-80% | 75% |
| Saponification value | 160-200% | 188% |
| Azadiractin content | 10-50% | 40% |
| Unsaponifiabiles | 1-18% | 2% |
| Moisture& Insoluble Impurity By Mass | 0.20 - 0.5 | 0.30% |

AFLATOXINS(B1,B2,G1,G2) Nil ppb

Lot Number :

Manufacturing Date :

December 2018

Expiry Date :

December 2020