



CERTIFICATE OF ANALYSIS OR LAB REPORT

For NATURE NEEM OIL

Based on Average values of liquid chromatography test of batches of production

COMMERCIAL NAME : NATURE NEEM OIL
TECHNICAL NAME : PURE NEEM OIL (COLD PRESSED)
SOURCE : By cold pressing of selected matured seeds

1. Azadirachtin : 2800 ppm (0.28 percent) immediately after extraction, reduces to 2200 ppm in about 3 months and stabilizes at 1800 ppm
2. Nimbin : min 4000 ppm (0.40%)
3. Salanin : min 6000 ppm (0.60%)
4. Aflatoxin B₁ : Less than 2 parts per billion
5. Saponification value : 180-205
6. Iodine value : 65-80
7. Unsaponifiable matter percent by mass : Max - 2%
8. Acid value : Max -up to 15%
9. Moisture and insoluble impurities % by wt : 0.3%

ACIDS

10. Myristic Acid : 2.7 %
11. Palmitic Acid : 13.2 To 14.9 %
12. Oleic Acid : 49.1 To 61.9 %
13. Stearic Acid : 14.3 To 17.1 %
14. Linoleic Acid : 7.5 To 15.5 %

GLYCERIDES

15. Fully Saturated Glycerides : 0.6 %
16. Tri-Unsaturated Glycerides : 22.0 %
17. Oleopalmitostearin : 12.0 %
18. Stearodiolein : 34.0 %
19. Oleodipalmein : 5.0 %

GLYCERIDES

Fully Saturated Glycerides	: 0.6 %
Tri-Unsaturated Glycerides	: 22.0 %
Oleopalmitostearin	: 12.0 %
Stearodiolein	: 34.0 %
Oleodipalmein	: 5.0 %

MICROBIOLOGICAL PROFILE (Sample made from fresh and pure neem oil preparations)

Total Plate Count	Less than 100 cfu/g
- Yeast and mold	Less than 10 cfu/g
- E.coli	Negative
- Salmonella	Negative
- Staphylococcus aureus	Negative
- Pseudomonas aeruginosa	Negative
- Coliforms	

We hereby certify that the neem oil produced and marketed by Nature Neem is 100 percent organic. The seeds are collected from organic trees, segregated and the oil is extracted as per the NPOP norms. The product can be used as an organic input as per the Ecocert, NPOP, ISDA and JAP

Declared and verified by



**Dr. M. Rizwana Banu, M. Sc., (Agri), Ph.D.,
Manager R&D, NATURE NEEM Products,
No.10, State Bank Colony,
Samathana Puram, Rayapuram Extension, Tirupur, Tamil Nadu 641 601. INDIA**