



## CERTIFICATE OF ANALYSIS OR LAB REPORT For TOTAL CARE

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

COMMERCIAL NAME : TOTAL CARE

TECHNICAL NAME : NEEM OIL IN WATER SOLUBLE FORM

- |     |  |   |
|-----|--|---|
| 1.  | Azadirachtin                                 | : 1800 ppm (0.18 percent)   |
| 2.  | Nimbin                                       | : min 3000 ppm (0.30%)  |
| 3.  | Salanin                                      | : min 5000 ppm (0.50%)  |
| 4.  | Aflatoxin BI                                 | : 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%  |
| 10. | Permitted organic solvent in bio agriculture | : n-butyl alcohol - 10 % and anionic surfactants for emulsification |

### ACIDS

- |     |               |                  |
|-----|---------------|------------------|
| 11. | Myristic Acid | : 2.7 %          |
| 12. | Palmitic Acid | : 13.2 To 14.9 % |
| 13. | Oleic Acid    | : 49.1 To 61.9 % |
| 14. | Stearic Acid  | : 14.3 To 17.1 % |
| 15. | Linoleic Acid | : 7.5 To 15.5 %  |

## GLYCERIDES

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

## Macro elements (of organic origin)

1.	Organic matter	: 100 %
2.	Nitrogen	: 3%
3.	Phosphorus	: 0,65%
4.	Potassium	: 0,10%

## Micro or oligo elements (of organic origin)

1.	Copper	: 0,1 (mg/L)
2.	Iron	: 20 (mg/L)
3.	Magnesium	: 24 (mg/L)
4.	Sodium	: 30 (mg/L)
5.	Suphur	: 2000 (mg/L)
6.	Zinc	: 5,5 (mg/L)

## MICROBIOLOGICAL PROFILE

(Sample made from fresh and pure neem oil preparations)

### 21.

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	

## Declared and verified by



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