

# ARJUN BEES WAX INDUSTRIES

QUALITY CONTROL DEPARTMENT

## CERTIFICATE OF ANALYSIS

Name of the product : Beeswax wax-Yellowish

Batch size : 5 MT.

| Sr. No | Tests                                  | Specification   | Results Obtained             |
|--------|--|---|------------------------------|
| 1      | Description                            | Yellowish-white pieces or plates,   | Yellowish- pieces or plates, |
| 2      | Odour                                  | Faint and characteristic  | Odour less                   |
| 3      | Solubility                             | Partially soluble in hot <i>ethanol</i> (90%) and in <i>ether</i> ; practically insoluble in <i>water</i> | Complies                     |
| 4      | Melting range                          | Between 61° and 65°,  | 62.5                         |
| 5      | Acid value                             | Between 5 and 15,   | 10.44                        |
| 6      | Ester value                            | Between 75 and 95,  | 88.5                         |
| 7      | Ratio number                           | Between 5 and 19.   | 9.98                         |
| 8      | Saponification value                   | Between 87 and 104  | 90.45                        |
| 9      | Fats, fatty acids, Japan wax and resin | To pass the test  | Complies                     |
| 10     | Ceresin, paraffin and other waxes      | To pass the test  | Complies                     |
| 11     | Glycerin and other polyhydric alcohols | To pass the test  | Complies                     |

**Remarks : The Sample Complies / does not comply with respect to above test as per I.P./ In- House Specification.**

Analysed by:

Approved By:

Date :

Date :