



**Certificate Of Quality**  
**NUMALIGARH REFINERY LIMITED**  
(A Government of India Enterprise)

**Paraffin Wax\_Fully Refined**

**Tank / Sphere/ Bagging No. :** WAXTK 105B

**Batch No. :** PWAX\_FR/PL/NRL/NRMT/WAXTK\_105B/53

**Date of Sample Drawn :** 26/10/2017

**Certificate Number :** PWAX\_FR/NRMT/98/2017-2018

**Sample Drawn By :** Papuli Chaliha

**Date of Certification :** 30/10/2017

**Request Reference :** 59084

| Sr. No. | Tests                         | Units    | Methods                  | Specification | Results |
|---------|-------------------------------|----------|--------------------------|---------------|---------|
| 1       | Melting Point (Cooling Curve) | deg C    | IS 4654 , Annexure A     | 45.0 to 75.0  | 61.6    |
| 2       | Ash content                   | % Mass   | IS 1448 P:4              | Max 0.03      | 0.00    |
| 3       | Acidity Organic               | mg KOH/g | IS 1448 P:2              | Max 0.10      | 0.03    |
| 4       | Acidity Inorganic             | mg KOH/g | IS 1448 P:2              | Max 0.02      | 0.00    |
| 5       | Saponification Value          |          | IS 1448 P: 55            | Max 1.0       | 0.00    |
| 6       | Oil Content                   | % Mass   | IS 4654 , Annexure B     | Max 0.50      | 0.49    |
| 7       | Color Lovibond,18 in Cell     | Y        | IS 1448 , P:13, Method A | Max 1.0       | 0.2     |
| 8       | Colour (Saybolt)              |          | P: 14 / ASTM 6045        | Min +24       | 30      |

REMARKS: Product Conforms IS 4654 :1993

1. The results relate only to the tank/sphere/bagging, sampled date of the items tested.
2. Tank sampled as per IS 1447 (Part 3) :1992
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Purna Nanda Das  
MANAGER (QUALITY CONTROL)  
FOR DEPUTY GENERAL MANAGER ( QUALITY CONTROL )

A LABORATORY ACCREDITED BY NABL FOR INTERNATIONAL STANDARDS (ISO 17025)  
General Requirements for the Competence of Testing & Calibration Laboratories