

## **CERTIFICATE OF ANALYSIS**

|                         |                |
|-------------------------|----------------|
| <b>Product Name</b>     | Polysorbate 80 |
| <b>INCI Name</b>        | Polysorbate 80 |
| <b>CAS#</b>             | 9005-65-6      |
| <b>Lot Number</b>       | 24000326788    |
| <b>Manufacture Date</b> | 03/2024        |
| <b>Re-test Date</b>     | 03/2026        |

| <b>Characteristic</b>       | <b>Specifications</b> | <b>Result</b> |
|-----------------------------|-----------------------|---------------|
| <b>Colour at 25°C</b>       | 7 Max. gardner        | 7             |
| <b>Acid Value</b>           | 2 Max. mg/g KOH       | 0.38          |
| <b>Saponification Value</b> | 45 - 55 mg/g KOH      | 49.3          |
| <b>Iodine Value</b>         | 19 - 24 cg/g J        | 21.2          |
| <b>Hydroxyl Value</b>       | 65 - 80 mg/g KOH      | 65.8          |
| <b>Peroxide Value</b>       | 5 Max. ppm            | 1.33          |
| <b>Water, Karl-Fisher</b>   | 2.5 - 3.0 %           | 2.14          |
| <b>Free ethylene oxide</b>  | 1 Max. ppm            | 0.00          |
| <b>Dioxane</b>              | 5 Max. ppm            | 0.00          |
| <b>Heavy Metals</b>         | 10 Max ppm            | 1.10          |
| <b>Ashes</b>                | 0.15 Max %            | 0.02          |

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight.  
When stored for more than 36 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**