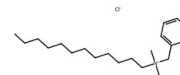


**CERTIFICATE OF ANALYSIS**

Standard product specification

# Lauryl Dimethyl Benzyl Ammonium Chloride

CAS 139-07-1 · C<sub>21</sub>H<sub>38</sub>ClN · 50% active


STRUCTURAL FORMULA

**1. PRODUCT IDENTITY**

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Product name      | Lauryl Dimethyl Benzyl Ammonium Chloride                                                   |
| C.A.S. number     | 139-07-1                                                                                   |
| Molecular formula | C <sub>21</sub> H <sub>38</sub> ClN                                                        |
| Molecular weight  | 340.00 g/mol                                                                               |
| Grade / standard  | 50% active                                                                                 |
| Description       | Clear to pale yellow liquid                                                                |
| Product group     | Cationic Surfactants (Quats)                                                               |
| Category          | <a href="#">Surfactants &amp; Oleochemicals</a>                                            |
| Country of origin | India                                                                                      |
| Packing           | Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available |
| Storage           | Cool, dry, well-ventilated place in tightly closed original packing                        |

**2. ANALYTICAL SPECIFICATION**

| S. NO. | TEST PARAMETER             | SPECIFICATION                              | TYPICAL RESULT | METHOD                         |
|--------|----------------------------|--------------------------------------------|----------------|--------------------------------|
| 1      | Description                | Clear to pale yellow liquid                | Complies       | Visual                         |
| 2      | Identification             | Conforms to the structure of the substance | Complies       | FTIR / Chemical test           |
| 3      | Active Matter              | Not less than 50.0 % w/w                   | 50.98          | Titrimetry (Epton / two-phase) |
| 4      | pH (10 % aqueous solution) | 6.0 – 9.0                                  | 7.1            | Potentiometry                  |

|   |                               |                         |         |                       |
|---|-------------------------------|-------------------------|---------|-----------------------|
| 5 | Colour (Klett, 5 % solution)  | Not more than 40        | 10      | Klett colorimetry     |
| 6 | Free Oil / Unsulphated Matter | Not more than 2.0 % w/w | 0.47    | Solvent extraction    |
| 7 | Sodium Sulphate               | Not more than 1.5 % w/w | 0.24    | Titrimetry            |
| 8 | Viscosity at 25 °C            | As per specification    | 2268 cP | Brookfield viscometry |

### 3. DECLARATION

This document sets out the standard specification for Lauryl Dimethyl Benzyl Ammonium Chloride and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.



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