



## CERTIFICATE OF ANALYSIS

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### 1. Identification

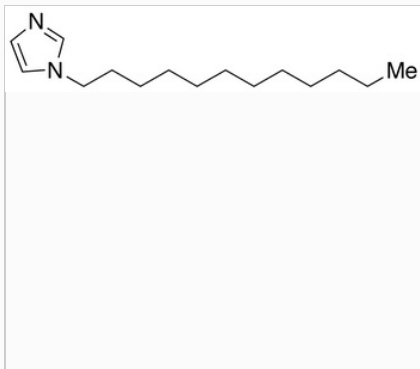
**Catalogue Number:** D494700

**CAS Number:** 4303-67-7

**Product:** N-Dodecylimidazole

**Synonym:** 1-Dodecyl-1H-imidazole; 1-Laurylimidazole; N-Dodecylimidazole; N-Laurylimidazole; NSC 307267;

**Structure:**



**Molecular Formula:**

C<sub>15</sub>H<sub>28</sub>N<sub>2</sub>

**Molecular weight:**

236.4

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly),  
Methanol (Slightly)

**Lot Number:** 2-DPP-53-2

**Purity:** 97%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:             | Specifications:       | Results:                        |
|--------------------|-----------------------|---------------------------------|
| Appearance         | Colourless Oil        | Clear Colourless Oil            |
| NMR                | Conforms to Structure | Conforms                        |
| MS                 | Conforms to Structure | Conforms                        |
| Elemental Analysis | Conforms              | %C: 76.41, %H: 12.31, %N: 11.66 |
| HPLC Purity        | >95%                  | 98.15% (212 nm)                 |

#### Additional Information:

Elemental Analysis: (Theoretical) %C: 76.21, %H: 11.94, %N: 11.85

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

**Reviewed By**

Xhoana Gjergji

**Reviewed By**

Toni Rantanen

**C of A Approved By**

My Nguyen

**Test Date**

5/25/2020

**Retest Date**

5/23/2027