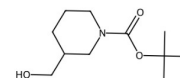


**CERTIFICATE OF ANALYSIS**

Standard product specification

# N-Boc-Piperidine-3-Methanol

CAS 116574-71-1 · C<sub>11</sub>H<sub>21</sub>NO<sub>3</sub> · Fine chemical grade — assay on specification


STRUCTURAL FORMULA

**1. PRODUCT IDENTITY**

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Product name      | N-Boc-Piperidine-3-Methanol                                                                |
| C.A.S. number     | 116574-71-1                                                                                |
| Molecular formula | C <sub>11</sub> H <sub>21</sub> NO <sub>3</sub>                                            |
| Molecular weight  | 215.29 g/mol                                                                               |
| Grade / standard  | Fine chemical grade — assay on specification                                               |
| Description       | Clear colorless liquid                                                                     |
| Product group     | Laboratory Solvents                                                                        |
| Category          | <a href="#">Solvents &amp; Glycols</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 colorless liquid                     | Complies       | Visual                 |
| 2      | Identification        | Conforms to the structure of the substance | Complies       | FTIR / Chemical test   |
| 3      | Purity (by GC)        | Not less than 99.5 % (area)                | 99.68          | Gas Chromatography     |
| 4      | Colour (APHA / Pt-Co) | Not more than 10                           | 3              | ASTM D1209             |
| 5      | Water Content         | Not more than 0.05 % w/w                   | 0.0156         | Karl Fischer titration |

|   |                           |                           |        |                            |
|---|---------------------------|---------------------------|--------|----------------------------|
| 6 | Acidity (as acetic acid)  | Not more than 0.002 % w/w | 0.0007 | Titrimetry                 |
| 7 | Residue on Evaporation    | Not more than 0.001 % w/w | 0.0002 | Gravimetry                 |
| 8 | Specific Gravity at 25 °C | 0.788 – 0.794             | 0.7914 | Pycnometry / ASTM D4052    |
| 9 | Refractive Index at 20 °C | 1.3268 – 1.3308           | 1.3282 | Refractometry / ASTM D1218 |

### 3. DECLARATION

This document sets out the standard specification for N-Boc-Piperidine-3-Methanol 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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