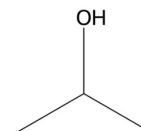


**CERTIFICATE OF ANALYSIS**

Standard product specification

# Isopropyl Alcohol (IPA)

CAS 67-63-0 · C<sub>3</sub>H<sub>8</sub>O · 99.9% min


STRUCTURAL FORMULA

**1. PRODUCT IDENTITY**

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Product name      | Isopropyl Alcohol (IPA)                                                                    |
| C.A.S. number     | 67-63-0                                                                                    |
| Molecular formula | C <sub>3</sub> H <sub>8</sub> O                                                            |
| Molecular weight  | 60.10 g/mol                                                                                |
| Grade / standard  | 99.9% min                                                                                  |
| Description       | Clear colorless liquid                                                                     |
| Product group     | Solvents                                                                                   |
| Category          | <a href="#">Home Care &amp; Detergent Chemicals</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      | Assay          | Not less than 99.9 % w/w                   | 100.00         | Titrimetry (Epton / two-phase) |
| 4      | Purity (by GC) | Not less than 99.5 % (area)                | 99.85          | Gas Chromatography             |

|    |                           |                           |        |                            |
|----|---------------------------|---------------------------|--------|----------------------------|
| 5  | Colour (APHA / Pt-Co)     | Not more than 10          | 6      | ASTM D1209                 |
| 6  | Water Content             | Not more than 0.05 % w/w  | 0.0132 | Karl Fischer titration     |
| 7  | Acidity (as acetic acid)  | Not more than 0.002 % w/w | 0.0007 | Titrimetry                 |
| 8  | Residue on Evaporation    | Not more than 0.001 % w/w | 0.0001 | Gravimetry                 |
| 9  | Specific Gravity at 25 °C | 0.782 – 0.788             | 0.7860 | Pycnometry / ASTM D4052    |
| 10 | Refractive Index at 20 °C | 1.3756 – 1.3796           | 1.3772 | Refractometry / ASTM D1218 |

### 3. DECLARATION

This document sets out the standard specification for Isopropyl Alcohol (IPA) 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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