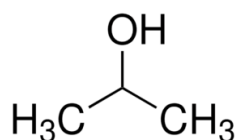


## Product Specification

Product Name:

**Isopropyl alcohol, *PurReagent Plus*,  
Meets analytical specification of IP/BP, ≥99.0%**

Product No.: PSR39361  
Brand: PureSynth  
CAS No.: 67-63-0  
Molecular Formula: C<sub>3</sub>H<sub>8</sub>O  
Molecular Weight: 60.11 g/mol



| Test                                                                      | Specification                                        |
|---------------------------------------------------------------------------|------------------------------------------------------|
| Appearance                                                                | Clear colourless liquid                              |
| Assay (by GC)                                                             | ≥99.0 %                                              |
| Water                                                                     | NMT 0.500 %                                          |
| Solubility                                                                | Miscible with water, with chloroform, and with ether |
| Identification A<br>(Relative density at 20°C)                            | 0.785 to 0.789 g                                     |
| Identification B<br>(Refractive index at 20°C)                            | 1.376 to 1.379                                       |
| Identification C (by IR)                                                  | Conforms to structure                                |
| Identification D<br>(Dimethylaminobenzaldehyde in<br>Sulphuric acid Test) | Should comply                                        |
| Appearance of solution<br>(5% aq. solution)                               | Clear and colourless solution                        |
| Acidity or Alkalinity                                                     | Should comply                                        |
| UV absorbance (10mm cell)                                                 |                                                      |
| a) At 230 nm                                                              | NMT 0.30                                             |
| b) At 250 nm                                                              | NMT 0.10                                             |
| c) At 270 nm                                                              | NMT 0.03                                             |
| d) At 290 nm                                                              | NMT 0.02                                             |
| e) At 310 nm                                                              | NMT 0.01                                             |
| Peroxides                                                                 | No colouration is produced after 30 mins.            |
| Benzene and related substances                                            |                                                      |
| a) Benzene                                                                | NMT 2 ppm                                            |
| b) Total of impurities<br>(excluding 2-butanol)                           | NMT 0.300 %                                          |
| Non-volatile Substances                                                   | NMT 20 ppm                                           |
| Residual Solvents                                                         |                                                      |
| a) 1-Propanol                                                             | NMT 0.100 %                                          |
| b) Cyclohexane                                                            | NMT 0.005 %                                          |

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.  
For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

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Specification: PR-1.0-QA/987

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