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## Specification Sheet

Product Name: **Isopropyl Alcohol**  
 Specifications & Purity: for preparative chromatography, 99.8%  
 SKU #: **I112023**

| Parameter                                            | Limit Values          |
|------------------------------------------------------|-----------------------|
| Density (20°C)                                       | 0.785-0.789           |
| total of impurities apart from 2-butanol             | 0-0.3 (%)             |
| Alkalinity                                           | 0-0.0002 (mg/g)       |
| Isopropylether (GC)                                  | 0-0.01 (%)            |
| Water by Karl Fischer                                | 0-0.05 (%)            |
| Total combined yeasts/moulds count (TYMC)            | 0-10 (cfu/g)          |
| Acidity                                              | 0-0.0002              |
| Absorbance at 270 nm                                 | 0-0.03                |
| Absorbance at 250 nm                                 | 0-0.1                 |
| Density (25°C)                                       | 0.783-0.787           |
| Absorbance at 290 nm                                 | 0-0.02                |
| Refractive index n <sub>20</sub> /D                  | 1.376-1.378           |
| Bacterial endotoxins                                 | 0-2.5 (IU/ml OR u/ml) |
| Absorbance at 230 nm                                 | 0-0.3                 |
| Absorbance at 310 nm                                 | 0-0.01                |
| Total aerobic microbial count (TAMC)                 | 0-100 (cfu/g)         |
| Evaporation Residue                                  | 0-0.0001 (mg/L)       |
| Benzene and related substances (GC)                  | 0-2 (ppm)             |
| Purity(GC)                                           | 99.8-100 (%)          |
| Appearance (I112023)                                 | Colorless Liquid      |
| Bile-tolerant gram-negative bacteria (absent in 1 g) | passes test           |
| Candida albicans (absent in 1 g)                     | passes test           |
| Escherichia coli (absent in 1 g)                     | passes test           |
| Infrared spectrum                                    | Conforms to Structure |
| Peroxides                                            | Conforms              |
| Pseudomonas aeruginosa (absent in 1 g)               | passes test           |
| Salmonella (absent in 10 g)                          | passes test           |
| Staphylococcus aureus (absent in 1 g)                | passes test           |
| The absorption curve is smooth                       | Conforms              |

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