

Certificate of Analysis

Product: Isopropyl Alcohol, 99%
Item Number: IPAHPLC
Grade: HPLC
Lot Number: 220617-B027120
Manufacture Date: 05/27/2022
Expiration Date: 05/26/2027
Country of Origin: United States

| Tested Property | Specification | Analysis |
|--------------------------------------|---------------|--------------|
| Assay (corrected for water) | 99.5% Min | 99.95% |
| Carbonyl Compounds - Acetone | 0.002% Max | 0.001% |
| Carbonyl Compounds - Propionaldehyde | 0.002% Max | LT 0.002% |
| Color, APHA | 10 max | 1 |
| Residue after Evaporation | 0.001% Max | 0.000% |
| Solubility in Water | To Pass Test | Pass |
| Titration Acid or Base | 0.0001 meq/g | 0.0001 meq/g |
| Water, wt% | NMT 0.2% | 0.04% |
| Absorbance | To Pass Test | Pass |
| Gradient Analysis @ 254nm | To Pass Test | Pass |
| Gradient Elution | To Pass Test | To Pass Test |
| Liquid Chromatography | To Pass Test | Pass |
| UV Absorbance @210nm | 1.0 Max. | 0.36 |
| UV Absorbance @ 220nm | 0.40 Max. | 0.17 |
| UV Absorbance @ 230nm | 0.20 Max | 0.09 |
| UV Absorbance @ 245nm | 0.08 Max | 0.02 |
| UV Absorbance @ 260nm | 0.04 Max | 0.01 |
| UV Absorbance @ 275nm | 0.03 Max | 0.00 |
| UV Absorbance @ 300nm | 0.02 Max | 0.00 |
| UV Absorbance @ 400 - 330nm | 0.01 Max | 0.00 |

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| Acidity | NMT 0.70 ml of 0.020N NaOH is required | 0.50ml |
| Limit of Volatile Impurities - Diethyl Ether | NMT 0.1% | LT 0.1% |
| Limit of volatile Impurities - Diisopropyl Ether | NMT 0.1% | LT 0.1% |
| Limit of volatile Impurities -Individual unspecified | NMT 0.1% | LT 0.1% |
| Limit of volatile Impurities - Methanol | NMT 0.02% | LT 0.02% |
| Limit of volatile Impurities - n-Propyl Alcohol | NMT 0.1% | LT 0.1% |
| Limit of Nonvolatile Residue | NMT 2.5mg (0.005%) | 0.0mg |
| Refractive Index @ 20Â°C | 1.376 - 1.378 | 1.377 |
| Specific Gravity @ 25Â°C | 0.783 - 0.787 | 0.783 |
| Limit of volatile Impurities - Total | NMT 1.0% | LT 0.1% |

[Isopropyl Alcohol, 99%](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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