

Certificate of Analysis

Product: Acetone
Item Number: ACEHPLC
Grade: HPLC
Lot Number: 221219-B044784
Manufacture Date: 11/17/2022
Expiration Date: 11/16/2027
Country of Origin: United States

| Tested Property | Specification | Analysis |
|----------------------------------------|----------------------------------------|-----------|
| Assay (corrected for water) | NLT 99.5% | 99.66% |
| Assay (on the anhydrous basis) | NLT 99.0% | 99.97% |
| Aldehyde (as HCHO) | 0.002%, max | LT 0.002% |
| Appearance | Clear liquid with characteristic odor | Pass |
| Color (APHA) | 10 max. | 1 |
| Isopropyl Alcohol | 0.05%, max | 0.00% |
| Methanol | 0.05%, max | 0.03% |
| Substances Reducing Permanganate | To Pass Test | Pass |
| Residue after Evaporation | 0.001%, max | 0.000% |
| Solubility in Water | The solution remains clear for 30 min. | Pass |
| Titration Acid | 0.0003 meq/g, max | 0.0003 |
| Titration Base | 0.0006 meq/g, max | 0.0001 |
| UV Absorbance @330nm | 1.00 max. | 0.65 |
| UV Absorbance @340nm | 0.10 max. | 0.05 |
| UV Absorbance @350nm | 0.02 max. | 0.00 |
| UV Absorbance @400nm | 0.01 max. | 0.00 |
| Identification A - Infrared Absorption | Conforms to Reference Infrared Spectra | Pass |
| Identification B - GC | Conforms to Reference Chromatogram | Pass |
| Nonvolatile Residue | NMT 2 mg/50mL (0.004%) | 0 |
| Readily Oxidizable Substances | To Pass Test | Pass |

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| | | |
|---------------------------|-----------|-------|
| Water | 0.5%, max | 0.31% |
| Specific Gravity @ 25°,°C | NMT 0.789 | 0.787 |

[Acetone](#)

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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