# CERTIFICATE OF ANALYSIS

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|---|---|
| Product Name | Acetone |
| Grade | ACS/USP/NF Grade |
| Catalog # | |
| Item # | |
| Batch # | 231228-B076250 |
| Date of Manufacture: | 05 Jan 2024 |
| Recommended Retest Date: | 03 Jan 2029 |
| Customer PO # | |
| Packaging Type | Drum Poly 55 Gal |

| TEST | MONO-GRAPH | SPECIFICATION | RESULT | UNITS |
|---|---|---|---|---|
| Aldehyde (as HCHO) | ACS | 0.002%, max | LT 0.002% | N/A |
| Appearance | ACS | Clear liquid with characteristic odor | Pass | N/A |
| Assay (corrected for water) | ACS | NLT 99.5% | 99.67 | % |
| Color (APHA) | ACS | 10 max. | 1 | N/A |
| Isopropyl Alcohol | ACS | 0.05%, max | 0.00 | % |
| Methanol | ACS | 0.05%, max | 0.03 | % |
| Substances Reducing Permanganate | ACS | To Pass Test | Pass | N/A |
| Residue after Evaporation | ACS | 0.001%, max | 0.000 | % |
| Solubility in Water | ACS | The solution remains clear for 30 min. | Pass | N/A |
| Titrable Acid | ACS | 0.0003 meq/g, max | 0.0002 | meq/g |
| Titrable Base | ACS | 0.0006 meq/g, max | 0.0001 | meq/g |
| Water | ACS | 0.5%, max | 0.30 | % |
| Assay (on the anhydrous basis) | NF | NLT 99.0% | 99.97 | % |
| Identification A - Infrared Absorption | NF | Conforms to Infrared Spectra | Pass | N/A |

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| TEST | MONO-GRAPH | SPECIFICATION | RESULT | UNITS |
|---|---|---|---|---|
| Identification B - GC | NF | Conforms to Reference Chromatogram | Pass | N/A |
| Nonvolatile Residue | NF | NMT 2 mg/50mL (0.004%) | 0 | mg |
| Readily Oxidizable Substances | NF | To Pass Test | Pass | N/A |
| Water | NF | 0.5%, max | 0.30 | % |
| Specific Gravity @ 25oC | NF | NMT 0.789 | 0.787 | N/A |

## Certification and Compliance Statements

This lot of Acetone complies with all of the current requirements listed in the United States Pharmacopeia, The National Formulary and American Chemical Society monographs.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Acetone. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Acetone. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

**This document was electronically signed by Gabriella Scoca on 05 Jan 2024 05:52 PM to indicate Quality Assurance Approval and to release this batch.**