



## PRODUCT SPECIFICATIONS SHEET

|              |                          |
|--------------|--------------------------|
| Product Name | Acetone                  |
| Grade        | ACS/USP/NF/HPLC-UV Grade |
| Catalog #    | 32900HPLC                |

| TEST                                   | MONO-GRAPH | SPECIFICATION                          | TYPICAL 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%                              | 99.60          | %     |
| 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   |
| Titration Acid                         | ACS        | 0.0003 meq/g, max                      | 0.0001         | meq/g |
| Titration Base                         | ACS        | 0.0006 meq/g, max                      | 0.0002         | meq/g |
| Water                                  | ACS        | 0.5%, max                              | 0.36           | %     |
| UV Absorbance @330nm                   | ACS        | 1.00 max.                              | 0.65           | N/A   |
| UV Absorbance @340nm                   | ACS        | 0.10 max.                              | 0.05           | N/A   |
| UV Absorbance @350nm                   | ACS        | 0.02 max.                              | 0.00           | N/A   |
| UV Absorbance @400nm                   | ACS        | 0.01 max.                              | 0.00           | N/A   |
| Assay (on the anhydrous basis)         | NF         | NLT 99.0%                              | 99.97          | %     |
| Identification A - Infrared Absorption | NF         | Conforms to Infrared Spectra           | Pass           | N/A   |
| Identification B - GC                  | NF         | Conforms to Reference Chromatogram     | Pass           | N/A   |



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|-------------------------------|------------|------------------------|----------------|-------|
| 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              | 0.36           | %     |
| Specific Gravity @ 25oC       | NF         | NMT 0.789              | 0.788          | N/A   |

This product is for further commercial manufacturing, laboratory or research use, and may be used as 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.