

PRODUCT SPECIFICATION SHEET
ACETONE
GENERAL USE HPLC-UV GRADE

Main Catalog Number: 32900HPLC

Available in the following sizes:

4x1 gallon Fluorinated Poly Bottle, 4x4 liter Amber Glass

| Test | Monograph | Specification | Typical Lot Analysis |
|---------------------------------------|-----------|---|----------------------|
| Assay, min (corrected for water) | ACS | 99.5% | 99.9% |
| Assay, min (anhydrous basis) | NF | 99.0% | 99.7% |
| Appearance | ACS | Clear Liquid with Characteristic Odor | Pass |
| Identification Test A (IR) | NF | Conforms to Infrared Spectra | Pass |
| Identification Test B (GC) | NF | Conforms to Reference Chromatogram | Pass |
| Specific Gravity @ 25°C, max. | NF | 0.7890 | 0.787 |
| Color (APHA), max | ACS | 10 | <10 |
| Residue After Evaporation, max | ACS | 10 ppm | <10 ppm |
| Non-Volatile Residue, max | NF | 0.004% | <0.001% |
| Readily Oxidizable Substances | NF | | Pass |
| Substances Reducing KMnO ₄ | ACS | Color doesn't completely disappear in 15 min. | Pass |
| Solubility In Water | ACS | Solution remains clear for 30 min. | Pass |
| Titration Acid, max | ACS | 0.0003 meq/g | 0.0002 meq/g |
| Titration Base, max | ACS | 0.0006 meq/g | 0.0001 meq/g |
| Aldehyde (as HCHO), max | ACS | 0.002% | <0.002% |
| IPA, max | ACS | 0.05% | <0.001% |
| Methanol, max | ACS | 0.05% | <0.05% |
| Water, max | ACS | 0.5% | 0.2% |
| | NF | 0.5% | 0.2% |
| Apparent Density @ 25 C, Max. | ACS/HPLC | 0.7857 g/mL | 0.7849g/mL |
| UV Absorbance @ | | U.A. | U.A. |
| 400nm | ACS/HPLC | 0.01 | 0.000 |
| 350nm | | 0.02 | 0.000 |
| 340nm | | 0.10 | 0.040 |
| 330nm | | 1.00 | 0.650 |
| Liquid Chromatography | ACS/HPLC | To Pass Test | Pass |
| Absorbance | ACS/HPLC | To Pass Test | Pass |

Disclaimer: For Industrial/Lab use only. Not intended as a Drug Substance, Medical Device or Disinfectant. Appropriate/legal use of this product is the responsibility of the user. (Rev. # disclaimer only, rev 3.6, 07/15, PD)



| | | | |
|----------------------------------|----------|--------------|------|
| Gradient Elution | ACS/HPLC | To Pass Test | Pass |
| Gradient Analysis at 254nm, Max. | ACS/HPLC | To Pass Test | Pass |

Filtered to 0.2 microns

Form Acetone HPLC-UV #301, Rev.2.8, 03/15, JMP

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