

Product Specifications Sheet
ETHYL ALCOHOL, 190 PROOF
 USP/NF Grade

Recommended Retest Date: Three Years from Date of Manufacture
 Main Catalog #: 111000190-Size Code*

Available in the following sizes:

*Refer to Master Price List – Individual package sizes have unique size codes

This product meets or exceeds all specifications as set forth in the current USP/NF monographs.

| TEST | SPECIFICATION | TYPICAL RESULT |
|---|---|------------------------|
| Identification Test A | It complies with test for Specific Gravity | Pass |
| Identification Test B | Conforms to Infrared Spectra | Pass |
| Apparent Specific Gravity @ 15.56°C | 0.812 - 0.816 @ 15.56°C | 0.8158 |
| Assay | 94.9 - 96.0 % by volume | 95.00 % |
| Final True Proof by Hydrometer 27CFR 30.23 | Lot Analysis | 190.0 |
| Acidity or Alkalinity | The solution is pink (30ppm, expressed as acetic acid) | Pass |
| Clarity of Solution | Test Solution A & B show the same clarity as that of water, or their opalescence is not more pronounced than that of Reference Suspension A | Pass |
| Color of Solution | The Test solution has the appearance of water or is not more intensely colored than the standard solution | Pass |
| Ultraviolet absorption | 240nm | 0.40 max. 0.24 |
| | 250nm | 0.30 max. 0.09 |
| | 260nm | 0.30 max. 0.03 |
| | 270nm | 0.10 max. 0.02 |
| | 340nm | 0.10 max. 0.00 |
| | Absorption curve between 235nm – 340nm is smooth | Pass |
| Limit of nonvolatile residue | The weight of the residue does not exceed 2.5mg | <1.0mg |
| Volatile Impurities | Methanol | 100 ppm <10 ppm |
| | Sum of Acetal and Acetaldehyde | 10ppm max <1 ppm |
| | Benzene | 2ppm max. <1 ppm |
| | Sum of all secondary peaks | 300ppm max. <20 ppm |

Form: Ethanol, Pure, 190, USP, #101, Rev. 4.4, 6/08, SAK

Disclaimer: For Industrial, Pharmaceutical, Flavor & Fragrance or Lab Use. Not intended for use as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. The appropriate use of this product is the sole responsibility of the user. (Rev. # disclaimer only, rev 3.3 10/05/05 PD)