



Product Specifications Sheet  
**ETHYL ALCOHOL, 190 PROOF (SYNTHETIC)**  
 Meets USP/NF Grade Monographs

Recommended Retest Date: Three Years from Date of Manufacture  
 Main Catalog #: 11100019S-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 (Specific Gravity)	It meets the requirements of the test for Specific Gravity	Pass
Specific Gravity @ 15.56°C	0.812 - 0.816 @ 15.56°C	0.8158
Identification Test B (Infrared Spectroscopy)	Conforms to Infrared Spectra (Neat)	Pass
Identification Test C (Limit of Methanol)	NMT 200 µL/L (200ppm) of Methanol	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 %
Proof (27CFR 30.23)	Lot Analysis	190.0
Acidity or Alkalinity	The solution is pink (30ppm, expressed as acetic acid)	Pass
Clarity of Solution	Sample Solution A & B show the same clarity as that of water, or their opalescence is not more pronounced than that of Standard Suspension A	Pass
Color of Solution	The Sample solution has the appearance of water or is not more intensely colored than the Standard solution	Pass
Ultraviolet absorption	NMT 0.40 at 240 nm NMT 0.30 between 250 nm and 260 nm NMT 0.10 between 270 nm and 340 nm The spectrum shows a steadily descending curve with no observable peaks or shoulders	0.24 0.09 0.02 Pass
Limit of nonvolatile residue	The weight of the residue does not exceed 2.5mg	<1.0mg
Organic Impurities	Methanol NMT 200 ppm Acetaldehyde and Acetal NMT 10 ppm Benzene NMT 2 ppm Sum of all other impurities NMT 300 ppm	<5ppm <1ppm <1ppm <30ppm

Form: Ethanol, Pure, 190, USP, #101, Rev. 4.9, 09/20, PJM



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.