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 the 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
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	Examine between 235nm – 340nm. 240nm 0.40 max. 250nm-260nm 0.30 max. 270nm-340nm 0.10 max. The spectrum shows a steadily rising 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, Synthetic, Rev. 4.9, 10/20, KAD

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.