



Product Specifications Sheet

Harmonized USP/EP Alcohol 95.5% (191 PROOF) ETHANOL

Grain Derived Ethanol
Meets USP/EP Monographs
CATALOG NUMBER: 1110000EP191-Size Code*

Available in the following sizes:

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

TEST	MONO GRAPH	SPECIFICATION	TYPICAL RESULT
Assay (by specific gravity@15.56°C) Assay (by relative density @20°C)	USP EP	94.9% - 96.0% (by volume) 95.1% - 96.9% (by volume)	95.52%
Proof	27CFR 30.23	Lot Analysis	191.0
Characters	EP / BP	Ethanol is a clear, colorless volatile, flammable liquid. It is miscible with water and methylene chloride. It burns with a blue, smokeless flame. BP: about 78°C	Pass
Identification Test A Identification A - Relative Density	USP EP	It meets the requirements of the test for Specific Gravity 0.805 – 0.812 @ 20°C	Pass 0.8097
Identification Test B	USP/EP	Conforms to IR Spectra	Pass
Identification Test C	EP	An intense blue color appears on the paper and becomes paler after 10-15 minutes	Pass
Identification Test D	EP	A yellow precipitate is formed within 30minutes	Pass
Color of Solution	USP	The Sample solution has the appearance of water or is not more intensely colored than the standard solution	Pass
Clarity of Solution	USP	Sample Solution A & B show the same clarity as that of water, or their opalescence is not more pronounced than that of Standard solution A	Pass
Appearance	EP	Clear and Colorless, the dilution remains clear when compared with water	Pass
Acidity or Alkalinity	USPEP	The solution is pink (30ppm, expressed as acetic acid)	Pass
Limit of Nonvolatile Residue Residue on Evaporation	USP EP	NMT 2.5 mg 25 ppm, max	0.5mg <10 ppm
UV Absorbance	USP/EP	Examine between 235nm – 340nm 240nm 0.40 max. 250nm-260nm 0.30 max. 270nm-340nm 0.10 max. The spectrum shows a steadily descending curve with no observable peaks or shoulders	0.34 0.15 0.05 Pass
Organic Impurities Volatile Impurities	USP EP	Methanol 200 ppm Acetaldehyde and Acetal 10ppm max Benzene 2ppm max. Sum of all other impurities 300ppm max.	<10 ppm <1 ppm <1ppm <20ppm

Form: Ethanol, Pure, 191, USP/EP Rev. 5.0, 06/16, 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.