



## Product Specifications Sheet

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

**This product meets or exceeds the current USP Specifications  
This product meets or exceeds the current EP Specifications.**

**CATALOG NUMBER: 1110000EP191-Size Code\*  
Recommended Retest Date: Three Years from Date of Manufacture**

Available in the following sizes:

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

TEST	MONO GRAPH	SPECIFICATION	RESULT
Apparent Specific Gravity	Meets USP & conforms EP	0.812 - 0.816 @ 15.56°C	0.8129
Relative Density	Meets EP & conforms to USP	0.805 – 0.812 @ 20°C	0.8097
Assay (Ethanol) V/V (20C)	Harmonized USP/EP	95.1 to 96.0% by Volume	95.74%
Final True Proof by Hydrometer	27CFR 30.23	Lot Analysis	191.5
Proof (20C)	Harmonized USP/EP	190.2 to 192	191.5
Identification Test A	USP EP	It complies with the test for Specific Gravity It complies with the test for Relative Density	Pass Pass
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 Test solution has the appearance of water or is not more intensely colored than the standard solution	Pass
Clarity of Solution	USP	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
Appearance	EP	Colorless, clear, volatile, flammable liquid, hygroscopic	Pass
Acidity or Alkalinity	USPEP	The solution is pink (30ppm, expressed as acetic acid)	Pass

**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)



Limit of Nonvolatile Residue Residue on Evaporation	USP EP	Less than 2.5 mg of residue (25 ppm)	<10 ppm	
UV Absorbance	USP/EP	240nm	0.40 max.	0.26
		250nm	0.30 max.	0.11
		260nm	0.30 max.	0.05
		270nm	0.10 max.	0.03
		340nm	0.10 max.	0.01
		Absorption curve between 235nm – 340nm is smooth		Pass
Volatile Impurities	USP/EP	Methanol	100 ppm	<10 ppm
		Sum of Acetal and Acetaldehyde	10ppm max	<1 ppm
		Benzene	2ppm max.	<1ppm
		Sum of all secondary peaks	300ppm max.	<20ppm

Form: Ethanol, Pure, 191, USP/EP Rev. 4.4, 6/08, SAK

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