Product Specifications Sheet

Harmonized USP/BP/EP/JP Alcohol
Absolute, Dehydrated, Anhydrous
(200 PROOF)
Pure SYNTHETIC ETHANOL

Meets USP/BP/EP/JP Monographs

CATALOG NUMBER: zp1110EP/JP20S

TEST	MONO GRAPH	SPECIFICATION	TYPICAL RESULT
Assay (by specific gravity@15.56ºC) Assay (by relative density @20ºC) Assay (by specific gravity@15ºC)	USP EP/BP JP	NLT 99.5%	99.99%
Proof	27CFR 30.23	Lot Analysis	200.0
Characters Description	EP / BP JP	Ethanol is a clear, colorless volatile, flammable liquid, hygroscopic. It is miscible with water and methylene chloride. It burns with a blue, smokeless flame. BP: about 78°C	Pass
Identification Test A (Specific Gravity) Identification A - Relative Density	USP EP/BP	It meets the requirements of the test for Specific Gravity 0.790 – 0.793 @ 20ºC	Pass 0.7905
Specific Gravity	USP JP	NMT 0.7962 at 15.56C $d\ ^{15}/_{15}$ 0.79422 – 0.79679	0.7938 0.79434
Identification Test B (Infrared Spectroscopy) Identification (1)	USP/BP/EP JP	Conforms to IR Spectra Conforms to IR Spectra	Pass Pass
Identification Test C (Limit of Methanol)	USP	NMT 200 µL/L (200ppm) of Methanol	Pass
Identification Test C	BP/EP	An intense blue color appears on the paper and becomes paler after 10-15 minutes	Pass
Identification Test D	BP/EP	A yellow precipitate is formed within 30minutes	Pass
Color of Solution	USP/JP	The Sample solution has the appearance of water or is not more intensely colored than the Standard solution	Pass
Clarity of Solution Purity 1 – Clarity and Color of Solution	USP JP	Sample Solutions show the same clarity as that of water, or their opalescence is not more pronounced than that of Standard suspension A. The mixture remains clear	Pass Pass
Appearance	BP/EP	Clear and Colorless. Dilution remains clear when compared with water	Pass
Acidity or Alkalinity Purity 2 – Acidity or alkalinity	USP/BP/EP JP	The solution is pink (30ppm, as acetic acid) A light red color develops	Pass Pass
Limit of Nonvolatile Residue Residue on Evaporation Purity 5 - Residue on Evaporation	USP EP/BP JP	The weight of the residue does not exceed 2.5 mg 25 ppm, max NMT 2.5 mg	0.5mg <10 ppm 0.5mg
UV Absorbance Purity 4 - Other Impurities (absorbance)	USP/BP/EP JP	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	 0.29 0.11 0.02 Pass
Organic Impurities Volatile Impurities Purity 3 – Volatile Impurities	USP EP/BP JP	Methanol 200 ppm Acetaldehyde and Acetal 10ppm max Benzene 2ppm max. Sum of all other impurities 300ppm max.	<5 ppm None Detected None Detected <10 ppm

Form: Ethanol, Pure, 200, Synthetic Rev. 1.7, 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.