



PRODUCT SPECIFICATION SHEET
ETHYL ALCOHOL 200 PROOF (SYNTHETIC)
ACS/USP GRADE

Current Catalog #: 11100020S-Size Code*
 Old Cat#111USP20S, 112USP20S, 111ACS20S, or 112ACS20S-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 ACS/USP monographs.

TEST	Monograph	SPECIFICATION	Typical Results
Assay (v/v)	ACS/USP	NLT 99.5%	99.98%
Water (v/v)	ACS	NMT 0.2%	0.02%
Proof @ 20C	Pharmco	NLT 199	200.0
Specific Gravity	Pharmco	0.7900-0.7932 @ 20°C	0.7904
Specific Gravity	USP	Not more than 0.7962 @ 15.56°C	0.7935
Identification Test A	USP	It complies with the test for Specific Gravity	Pass
Identification Test B	USP	Conforms to Infrared Spectra	Pass
Color (APHA)	ACS	NMT 10	<10
Clarity of Solution	USP	Test Solution A & B show same clarity as that of water, or their opalescence is not more pronounced than that of Reference suspension A	Pass
Color of Solution	USP	The Test solution has the appearance of water or is not more intensely colored than the Standard solution	Pass
Solubility in Water	ACS	To Pass Test	Pass
Nonvolatile Residue	ACS	NMT 0.001%	<0.001%
Limit of Nonvolatile Residue	USP	The weight of the residue does not exceed 2.5mg	<1.0mg
Acetone/IPA	ACS	To Pass Tests	Pass
Titration Acid	ACS	NMT 0.0005 meq/g	<0.0003 meq/g
Titration Base	ACS	NMT 0.0002 meq/g	<0.0001 meq/g
Acidity or Alkalinity	USP	The solution is pink (30ppm, expressed as acetic acid)	Pass
Methanol	ACS	NMT 0.1%	<0.001%
Substances Darkened by Sulfuric Acid	ACS	To Pass Test	Pass
Substances Reducing Permanganate	ACS	To Pass Test	Pass
Ultraviolet Absorbance	USP	240nm 0.40 max. 250nm 0.30 max. 260nm 0.30 max. 270nm 0.10 max. 340nm 0.10 max. Absorption curve between 235nm – 340nm is smooth	0.29 0.11 0.04 0.02 0.00 Pass
Ultra Violet Absorbance purged of O ₂	ACS	To Pass Test	Pass
Volatile Impurities	USP	Methanol 100 ppm	<20 ppm

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. *excluding UV/Vis for 200 proof ethanol (See shelf life statement). (Rev. # disclaimer 200 proof only: Rev 3.4 10/05/05 PJM)



		Sum of Acetal and Acetaldehyde	10ppm max	<1 ppm
		Benzene	2ppm max.	<1 ppm
		Sum of all secondary peaks	300ppm max.	<50 ppm

Form: Ethanol, Pure, 200, ACS/USP, #101, Rev 4.4, 6/08, SAK

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