

Product Specifications Sheet
ETHYL ALCOHOL, 190 PROOF (SYNTHETIC)
Synthetically Derived Ethanol
 ACS/USP Grade

Recommended Retest Date: Three Years from Date of Manufacture
 Main Catalog #: 11100019S-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 USP/NF monographs.

TEST	SPECIFICATION	TYPICAL RESULT
Identification Test A	It complies with test for Specific Gravity	Pass
Identification Test B	Conforms to Infrared Spectra	Pass
Apparent Specific Gravity @ 15.56°C	0.812 - 0.816	0.8154
Assay (ACS)	NLT 95.0% by volume	95.03%
Assay (USP)	94.9 - 96.0 % by volume	95.08%
Solubility in Water (ACS)	To Pass Test	Pass
Acetone/IPA (ACS)	To Pass Test	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
Color (APHA) (ACS)	NMT 10	<10
Titration Acid (ACS)	NMT 0.0005 meq/g	<0.0003meq/g
Titration Base (ACS)	NMT 0.0002 meq/g	<0.0001meq/g
Acidity or Alkalinity	The solution is pink (30ppm, expressed as acetic acid)	Pass
Clarity of Solution	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
Color of Solution	The Test solution has the appearance of water or is not more intensely colored than the standard solution	Pass
Ultraviolet absorption	240nm 0.40 max. 250nm 0.30 max.	0.27 0.10

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)

	260nm	0.30 max.	0.04
	270nm	0.10 max.	0.02
	340nm	0.10 max.	0.00
	Absorption curve between 235nm – 340nm is smooth		Pass
Limit of nonvolatile residue	The weight of the residue does not exceed 2.5mg		<1.0mg
Volatile Impurities	Methanol	100 ppm	<5 ppm
	Sum of Acetal and Acetaldehyde	10ppm max	<1 ppm
	Benzene	2ppm max.	<1 ppm
	Sum of all secondary peaks	300ppm max.	<20 ppm

Form: Ethanol, Pure, 190, USP, #101, Rev. 1.1, 6/08, SAK

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