

PRODUCT SPECIFICATION SHEET
ETHYL ALCOHOL 200 PROOF, ABSOLUTE
ACS/USP GRADE

Current Catalog #: 111000200-Size Code*
 Alternative Catalog # E200, 111USP200, 111ACS200-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 (by GC, corrected for water)	ACS	NLT 99.5%	99.98%
Assay (by specific gravity@15.56°C)	USP	NLT 99.5%	99.99%
Water (wt%)	ACS	NMT 0.2%	0.02%
Proof	27CFR 30.23	Lot Analysis	200.0
Identification A - Specific Gravity	USP	Not more than 0.7962 @ 15.56°C	0.7935
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
Residue on Evaporation	ACS	NMT 0.001%	<0.001%
Limit of Nonvolatile Residue	USP	The weight of the residue does not exceed 2.5mg	<1.0mg
Acetone/Isopropyl Alcohol	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%	<0.1%
Substances Darkened by Sulfuric Acid	ACS	To Pass Test	Pass
Substances Reducing Permanganate	ACS	To Pass Test	Pass
Ultraviolet Absorbance	USP	NMT 0.40 at 240 nm NMT 0.30 between 250 nm and 260 nm NMT 0.10 between 270 nm and 340 nm Absorption curve between 235nm – 340nm is smooth	0.29 0.11 0.02 Pass
Volatile Impurities	USP	Methanol NMT 200 ppm Sum of Acetal and Acetaldehyde NMT 10ppm Benzene NMT 2ppm Total of all other impurities NMT 300ppm	<5 ppm None Detected None Detected <10 ppm

Form: Ethanol, Pure, 200, ACS/USP, #101, Rev 4.4, 01/12, PJM