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## Typical Product Specifications & Properties

# Ethyl Alcohol Absolute (Synthetic) ACS/USP Grade

CAS Number: : 64-17-5

Specifications	Limits
Density	0.816 (15.5 c)
Surface Tension	21.99 dynescm
Auto/Self Ignition Temperature	temp. 362 c
Identification B	Conforms to Infrared Spectra (USP)
Titration Acid	<= 0.0005% (ACS)
Water	<= 0.2% (ACS)
Specific gravity	<= 0.762 (15.56C) (USP)
Specific gravity	0.7900 - 0.7932 (20C)
Nonvolatile Residue	The weight of the residue does not exceed 2.5mg (USP)
Acetone/IPA	To Pass Tests (ACS)
Titration Base	<= 0.0002% (ACS)
Acidity	The solution is pink (30ppm, expressed as acetic acid) (USP)



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Specifications	Limits
Methanol	<= 100 ppm (USP)
Substances Darkened by Sulfuric Acid	To Pass Test (ACS)
Assay	>= 99.5% v/v (ACS/USP)
Proof	>= 199 (20C)
Identification A	It complies with the test for Specific Gravity (USP)
Color (APHA)	<= 10 (ACS)
Solubility in water	To Pass Test (ACS)
Nonvolatile Residue	<= 0.001% (ACS)
Methanol	<= 0.1% (ACS)
Substances Reducing Permanganate	To Pass Test (ACS)
Odor	volatile liq., vinous odor, pungent taste
Vapor Pressure	44.6 mm hg (20 c)



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Specifications	Limits
Refractive Index	1.365 (15 c)
Molecular weight	46.08
Color	colorless limpid
Specifications	Limits
Flash Point	(cc) 12.7 c
Boiling Point	78.3 c



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