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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
Vapor Pressure	44.6 mm hg (20 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)



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Specifications	Limits
Acidity	The solution is pink (30ppm, expressed as acetic acid) (USP)
Methanol	$\leq 100$ ppm (USP)
Substances Darkened by Sulfuric Acid	To Pass Test (ACS)
Assay	$\geq 99.5\%$ v/v (ACS/USP)
Proof	$\geq 199$ (20C)
Identification A	It complies with the test for Specific Gravity (USP)
Color (APHA)	$\leq 10$ (ACS)
Solubility in water	To Pass Test (ACS)
Nonvolatile Residue	$\leq 0.001\%$ (ACS)
Methanol	$\leq 0.1\%$ (ACS)
Substances Reducing Permanganate	To Pass Test (ACS)
Color	colorless limpid



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Specifications	Limits
Refractive Index	1.365 (15 c)
Flash Point	(cc) 12.7 c
Odor	volatile liq., vinous odor, pungent taste
Specifications	Limits
Molecular weight	46.08
Boiling Point	78.3 c



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