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## Typical Product Specifications & Properties

# Ethyl Alcohol 95% 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
Substances Reducing Permanganate	To Pass Test
Titrate Base	<= 0.0002 meq/g (ACS)
Acetone/IPA	To Pass Test
Substances Darkened by Sulfuric Acid	To Pass Test
Color (APHA)	<= 10 (ACS)
Inorganic Impurities	The weight of the residue does not exceed 2.5 mg (USP)
Specific gravity	0.812 - 0816 @ 15.56C (USP)
Proof	Typical Result: 190.0 proof
Assay	>= 95.0% v/v (ACS)



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Specifications	Limits
Methanol	<= 0.1% (ACS)
Solubility in water	To Pass Test
Assay	94.9 - 96.0% v/v (USP)
Acidity	The solution is pink (30ppm, expressed as acetic acid) (USP)
Identification B	Conforms to IR Spectra (USP)
Nonvolatile Residue	<= 0.001% (ACS)
Titration Acid	<= 0.0005 meq/g (ACS)
Identification A	Meets the requirements of the test for Specific Gravity (USP)
Benzene	<= 2 ppm (USP)
Methanol	<= 200 ppm (USP)
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
Flash Point	(cc) 12.7 c
Specifications	Limits
Boiling Point	78.3 c



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