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## Typical Product Specifications & Properties

# Ethyl Alcohol Absolute, 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)
Water	<= 0.2% Wt. (ACS)
Solubility in water	To Pass Test (ACS)
Assay (by Specific Gravity@15.56C)	>= 99.5% (USP)
Color	colorless limpid
Refractive Index	1.365 (15 c)
Flash Point	(cc) 12.7 c
Molecular weight	46.08
Boiling Point	78.3 c



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Specifications	Limits
Nonvolatile Residue	The weight of the residue does not exceed 2.5mg (USP)
Methanol	$\leq 0.1\%$ (ACS)
Substances Reducing Permanganate	To Pass Test (ACS)
Specific gravity	$\leq 0.7962$ (15.56C) (USP)
Acidity	The solution is pink (30ppm, expressed as acetic acid) (USP)
Assay (by GC, corrected for water)	$\geq 99.5\%$ (ACS)
Proof	Typical Result: 200.0
Identification	Conforms to IR Spectra (USP)
Color (APHA)	$\leq 10$ (ACS)
Residue on evaporation	$\leq 0.001\%$ (ACS)
Titration Base	$\leq 0.0002$ meq/g (ACS)
Titration Acid	$\leq 0.0005$ meq/g (ACS)



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Specifications	Limits
Benzene	$\leq 2$ ppm (USP)
Substances Darkened by Sulfuric Acid	To Pass Test (ACS)
Acetone/Isopropyl Alcohol	To Pass Test (ACS)

  

Specifications	Limits
Methanol	$\leq 200$ ppm (USP)
Odor	volatile liq., vinous odor, pungent taste



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