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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
Water	<= 0.2% Wt. (ACS)
Solubility in water	To Pass Test (ACS)
Assay (by Specific Gravity@15.56C)	>= 99.5% (USP)
Nonvolatile Residue	The weight of the residue does not exceed 2.5mg (USP)
Methanol	<= 0.1% (ACS)
Substances Reducing Permanganate	To Pass Test (ACS)
Specific gravity	<= 0.7962 (15.56C) (USP)
Acidity	The solution is pink (30ppm, epressed as acetic acid) (USP)
Assay (by GC, corrected for water)	>= 99.5% (ACS)



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Specifications	Limits
Proof	Typical Result: 200.0
Identification	Conforms to IR Spectra (USP)
Color (APHA)	≤ 10 (ACS)
Residue on evaporation	$\leq 0.001\%$ (ACS)
Titration Base	≤ 0.0002 meq/g (ACS)
Titration Acid	≤ 0.0005 meq/g (ACS)
Benzene	≤ 2 ppm (USP)
Substances Darkened by Sulfuric Acid	To Pass Test (ACS)
Acetone/Isopropyl Alcohol	To Pass Test (ACS)
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

Specifications	Limits
Color	colorless limpid
Flash Point	(cc) 12.7 c
Boiling Point	78.3 c



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