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Typical Product Specifications & Properties

Ethyl Alcohol 95% (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
Solubility in water	To Pass Test (ACS)
Substances Reducing Permanganate	To Pass Test (ACS)
Identification B	Conforms to Infrared Spectra
Assay	94.9 - 96.0% Vol. (ACS)
Methanol	<= 0.1% (ACS)
Substances Darkened by Sulfuric Acid	To Pass Test (ACS)
Color (APHA)	<= 10 (ACS)
Identification A	It complies with test for Specific Gravity
Specific gravity	0.812 - 0.816 (15.56C)



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Specifications	Limits
Assay	$\geq 95.0\%$ Vol. (USP)
Acetone/IPA	To Pass Test (ACS)
Titration Base	≤ 0.0002 meq/g (ACS)
Titration Acid	≤ 0.0005 meq/g (ACS)
Acidity	The solution is pink (30ppm, expressed as acetic acid)
Odor	volatile liq., vinous odor, pungent taste
Vapor Pressure	44.6 mm hg (20 c)
Refractive Index	1.365 (15 c)
Molecular weight	46.08
Color	colorless limpid
Flash Point	(cc) 12.7 c
Boiling Point	78.3 c



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