

Specification

Technical Data Sheet

Product Name	Ethanol absolute $\geq 99.9\%$
Product No	90037748
CAS Number	64-17-5
Storage Temperature	Ambient
Molecular Weight	46.07
	Specification
Appearance	Colourless, clear, volatile, flammable liquid, hygroscopic.
Boiling Point	$\sim 78^{\circ}\text{C}$
Absorbance (5 cm Cell) 1	≤ 0.40 @ 240nm
Absorbance (5 cm Cell) 2	≤ 0.30 250-260 nm
Absorbance (5 cm Cell) 3	≤ 0.10 270-340 nm
Absorbance (5 cm Cell) 4	Spectrum shows steadily descending curve with no peaks or shoulders

Specification

Acidity / Alkalinity The solution is pink. (≤ 30 ppm, expressed as Acetic acid)
 ≤ 1.0 mL 0.01 M NaOH

Content ≥ 99.5 % V/V 15.56°C & 20°C

Identification A - Relative Density 0.790 - 0.793 (20°C)

Identification B - Infrared Absorption Neat IR spectrum

Residue on Evaporation / Nonvolatile Residue ≤ 25 ppm M/V

Solubility Miscible with water & Methylene Chloride. It burns with a blue, smokeless flame.

Strength ≥ 99.9 % V/V 20°C

Volatile / Organic impurities 1 Methanol: ≤ 200 ppm

Volatile / Organic impurities 2 Acetaldehyde and Acetal: ≤ 10 ppm as Acetaldehyde

Volatile / Organic impurities 3 Benzene: ≤ 2 ppm

Volatile / Organic impurities 4 Total of other impurities: ≤ 300 ppm

Volatile / Organic impurities 5 Disregard limit: ≤ 9 ppm

Water Content $\leq 0.1\%$ (1000 ppm)
