

Technical Data Sheet

Ethanol 70%(Industrial)

Alcohol

Ethanol, also called ethyl alcohol, grain alcohol, or alcohol, a member of a class of organic compounds that are given the general name alcohols; its molecular formula is C_2H_5OH . Ethanol is an important industrial chemical; it is used as a solvent, in the synthesis of other organic chemicals, and as an additive to automotive gasoline (forming a mixture known as a gasohol). Ethanol is also the intoxicating ingredient of many alcoholic beverages such as beer, wine, and distilled spirits.

Applications:

- 1- Production of chemical solvents
- 2- Fuel production
- 3- Production of detergents
- 4- Drug production
- 5- Production of perfume, cologne, deodorizing spray
- 6- Printing ink production
- 7- Production of ethyl acetate
- 8- Ethyl glycol production
- 9- Production of some food items
- 10- Production of drink alcoholic
- 11- Production of acetic acid

Name of Tests	Units	Methods	Specification	Results
Alcohol Content	% v/v	EEC 625/2003(1)	Min.70	70
Appearance	--	EEC 625/2003(2)	Colorless and Clear	Confirm
Organoleptic Characteristics	--	EEC 625/2003	Not detectable taste	Confirm
Density in air.@20°C	g/ml	Densitometer(Mettler toledo DE-40)	--	0.8855
Acidity as acetic acid	ppm	EEC 625/2003(6)	Max.15	4
Esters, as ethyl acetate	ppm	GC	Max.13	Not detected
Acetaldehyde	ppm	GC	Max.5	Not detected
Higher alcohols as 2-methyl-I-propanol	ppm	GC	Max.5	Not detected
Methanol	ppm	GC	Max.20	Not detected
Water Miscibility	---	ASTM D1722	Free of Cloudiness /Turbidity	Passes Test
Hydrocarbons	ppm	GC	Not detectable	Not detected
Dry residue(Total solids)	ppm	EEC 625/2003	Max.15	Passes Test
Pernanganate Clearing Time.@20°C	minute	EEC 625/2003(3)	Min.20 minutes	23