

**Technical Data Sheet**

## Ethanol(Medical) Alcohol Ethylic

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:**

- Laboratory containers
- Cleaning acne
- Production of disinfectants
- Production of antifreeze
- Production of detergents
- Destroying microorganisms
- Liquid dissolution

Properties	Value	Test Method
Purity(by volume)	Min 96	96.1
Specific gravity @ 20°C	Max 0.807	0.8062
Solubility in water	Not be turbided	Not be turbided
Alkalization ability against phenol phthalin	Not be turbided	Not be turbided
Acidity in term of acetic acid per 100 ml alcohol	Max 3 mg	1.8
Furtural	Negative	Negative
Aldehyde as acetaldehyde per 100 ml Absolute alcohol	Max 1	0.4
Methanol content in mol percentage of absolute alcohol	Max 10	Negative
Lister value as acetate ethylene per 100 ml absolute alcohol	Max 4	2.5
Heavy alcohol	Max 0.9	0.3
$KMnO_4$	—	Without change color