

Specifications for Ethanol

| Parameter | Value | |
|---------------------------------|---------------------------------|-----------------|
| Molecular Formula | C ₂ H ₆ O | |
| Mol Wt | 46.11 | |
| CAS # | [64-17-5] | |
| Description | Clear colourless liquid | |
| Sp Gravity @ 20/20 deg cel | 0.790 – 0.792 | |
| Flash point in deg cel | 12 | |
| | Industrial Grade | Absolute |
| Purity (%) | 94-95 | 99.5 min |
| Acidity as acetic acid in ppm | 20 max | 20 max |
| Aldehyde as acetaldehyde in ppm | 60 max | 40 max |
| Ester as ethyl acetate in ppm | 200 max | Nil |
| ROE in ppm | 50 max | 20 max |
| Permanganate time in minutes | 10 | -- |

Uses:

| Industry | Application |
|---------------------------|--|
| Process and Manufacturing | As general purpose solvent ; In manufacture of ethylene, acetaldehyde and downstreams |
| Fuel | As an additive in petrol and as octane booster |
| Fragrance | In mfr of denatured alcohol |
| Beverage | In liquors and beverages |