



Ashok Alco - chem Limited (AACL)

Specification

| Particulars | Ethyl Acetate | Glacial Acetic Acid | Acetaldehyde |
|-------------------------|---|--|---|
| C.A.S. No. | 141-78-6 | 064-19-7 | 075-07-0 |
| HS Code | 2915.3900 | 2915.2110 | 2912.1200 |
| EINECS No. | 205-500-4 | 200-580-7 | 200-836-8 |
| Chemical Classification | Ester | Carboxylic Acid | Aldehyde |
| Synonyms Trade Name | Acetic Acid Ethyl Ester, Acetic Ether Acetoxyethane | Ethanoic Acid, Vinegar Acid, Ethylic Acid, Methane Carboxylic Acid, Pyroligneus Acid | Acetic Aldehyde, Ethanal, Ethyl Aldehyde. |
| Formula | $\text{CH}_3\text{COOC}_2\text{H}_5$ | CH_3COOH | CH_3CHO |
| Molecular Weight | 88 | 60.05 | 44 |
| Assay (Purity) | 99.90% | 99.70% | 99.60% - 99.70% |
| Specific Gravity | 0.895 | 1.0492 | 0.783 |
| Codes / Label | Flammable Liquid, Class 3 | Corrosive, Class 8 | Flammable liquid , Class 3.1 |
| Hazardous Waste Id No. | 5 | 5 | 5 |
| Appearance | Clear, Colourless, Transparent Mobile Liquid | At all temperatures above the crystallization point, the material is a clear liquid, free from suspended matter. | A clear, colourless liquid. |
| Color (APHA) | 10 Max | 10 Max | 10 Max |
| Odour | Fragrant | Pungent Odour | Pungent Odour |
| Solubility | Freely soluble in alcohol and acetone | Soluble in water | Soluble in water |



Ashok Alco - chem Limited (AACL)

| | | | |
|---------------------------------------|-----------------------------|-----------------------------|----------------------|
| Boiling Point °C. | 77°C | 118°C | 20.2°C |
| Freezing Point °C. | -83°C | 16.4°C | -123°C |
| Water Content, % by Mass(max.) | 0.05% | 0.2% | 0.02% |
| Non-volatile residue by mass | 0.01% | 0.02% | 0.01% |
| Acidity % by mass (max.) | Max.0.005% | Not applicable | Max.0.03% |
| Ethanol Content | 0.05% max. | 0.01% max. | 0.05% max. |
| Refractive Index at 25°C | 1.375 | 1.3698 | 1.3316 |
| Heavy Metals Including Iron | Absent | 5 ppm max by weight | Absent |
| Chloride as Cl | Absent | 1 ppm max by weight | 1 ppm max by weight |
| Sulphates | 1 ppm max by weight | 5 ppm max by weight | 1 ppm max by weight |
| Formic Acid | Absent | 0.15% max by weight | 0.01% max. By weight |
| Acetaldehyde | Absent | 0.025% max by weight | ---- |
| Packing Available | Tanker & Barrels (210 kgs) | Tanker & Barrels (240 kgs) | Tanker |