

ETHYL ACETATE NF SPECIFICATION

Sr.No.	Test	Specification
1	Description	Transparent, colorless liquid having a fragrant, refreshing, slightly acetous odor and a peculiar, acetous, burning taste.
2	Solubility	Soluble in water Miscible with water, with alcohol, with ether, with fixed oils and with volatile oils.
3	Identification By IR	The spectrum obtained with the substance to be examine corresponds in position & relative intensity to those in the spectrum obtained with that of Ethyl Acetate USP CRS or its Working standard. (Purity index should not be less than 0.99)
4	Specific gravity at 25°C	Between 0.894 to 0.898 at 25°C
5	Acidity	Not more than 0.10 ml of 0.10 N sodium hydroxide is required.
6	Readily carbonizable substances	No dark zone should be developed within 15 min.
7	Limit of non volatile residue	Not more than 0.02% w/w.
8	Assay (By GC)	98.0% to 102.0%
9	Chromatographic purity	
	a) Acetaldehyde	Not more than 0.1%
	b) 1-Ethoxy-2-methylpropane	Not more than 0.1%
	c) Methyl compounds	Not more than 0.1%
	d) Other impurities	Not more than 0.3%
10	Residual solvents	
	a) Ethanol	Not more than 5000 ppm v/v
	b) Acetic acid	Not more than 5000 ppm v/v