

ACETONE NF SPECIFICATION

Sr.No.	Tests	Specifications
1	Description	Transparent, colorless, mobile, volatile liquid having characteristic odour. A solution (1 in 2) is neutral to litmus.
2	Solubility	Miscible with water, with alcohol, with ether, with chloroform & with most volatile oils
3	Identification a) By IR b) By GC	The spectrum obtained with the sample corresponds in position & relative intensity to those in the spectrum obtained with that of standard. The retention time of the sample corresponds to that of USP Acetone RS, as obtained in the Assay.
4	Specific Gravity at 25°C	Not more than 0.789.
5	Water (By GC)	Not more than 0.5%.
6	Nonvolatile residue	The weight of the residue does not exceed 2 mg (0.004%)
7	Readily Oxidisable substances	The permanganate color of the mixture does not completely disappear within 15 minutes.
8	Assay (By GC)	Not less than 99.0% on the anhydrous basis.
9	Residual solvents Benzene Methanol 2-Propanol	Not more than 2 ppm (v/v) Not more than 3000 ppm (v/v) Not more than 5000 ppm (v/v)