

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 substance to be examine corresponds in position & relative intensity to those in the spectrum obtained with that of Acetone USP CRS or its working standard (Purity index should not be less than 0.99) The retention time of the test solution corresponds to that of Acetone USP CRS or its working standard (WS), 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)