

CHLOROFORM IP SPECIFICATION

Sr.No.	Test	Specifications
1	Description	A colourless volatile liquid, odour characteristic.
2	Solubility	Miscible with ethanol, with ether, with most organic solvents and with fatty and volatile oils, slightly soluble in water.
3	Identification a) Chemical test b) Chemical test	The vapour introduced into a Bunsen flame produces a green colour and gives rise to noxious vapours having a characteristic odour. The characteristic odour of phenyl isocyanide is produced
4	Weight per ml at 25°C	1.474 g to 1.478 g at 25°C
5	Boiling range	Not more than 5.0% v/v distils below 60° and the remainder distils between 60° and 62°
6	Acidity or Alkalinity	The colour produced is similar to that produced on adding 0.1 ml of litmus solution to 5 ml of freshly boiled and cooled water.
7	Chlorides	The solution is clear.
8	Free chlorine	No blue colour is produced.
9	Aldehydes	Not more than a pale yellow colour is produced.
10	Foreign chlorine compounds	No opalescence is produced.
11	Rrelated Substances (By GC) Total impurities	Not more than 1.0 % v/v
12	Ethanol (By GC) If present	Between 1.0 % to 2.0% v/v of ethanol.
13	Non volatile matter	Not more than 0.004% w/v
14	Residual solvents (By GC)	
	a) Ethanol	Not More than 5000 ppm
	b) Amylene	Not more than 50 ppm
	c) Acetone	Not more than 5000 ppm
	d) Methylene chloride	Not more than 600 ppm