

CHLOROFORM IP SPECIFICATION

Sr.No.	Tests	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	Related 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