

ISOPROPYL ALCOHOL IP SPECIFICATION

Sr.No.	Tests	Specifications
1	Description	Clear, colourless liquid with characteristic and spirituous odor.
2	Solubility	Miscible with water, with chloroform and with ether.
3	Identification A) Chemical test	A white or yellowish-white precipitate should produce.
	B) Chemical test	Acetone, recognizable by its odor should evolve.
4	Acidity or alkalinity	Not more than 0.06 ml of 0.1M sodium hydroxide is required to make the resulting solution alkaline to phenolphthalein solution.
5	Distillation range	Not less than 95.0% v/v distils between 81° and 83°C.
6	Refractive index at 20°C	1.377 to 1.378 at 20°C
7	Weight per ml at 20°C	0.782 g to 0.786 g at 20°C
8	Aldehydes and ketones	Not more than 2.0 ml of 0.1M sodium hydroxide should require.
9	Benzene and related Substances (By GC) Benzene	Not more than 2 ppm
	Total of impurities apart from 2-butanol	Not more than 0.3%
10	Non volatile matter	Not more than 0.002% w/v.
11	Water insoluble matter	No opalescence should produce.
12	Water	Not more than 0.5%