

ISOPROPYL ALCOHOL BP SPECIFICATION

Sr.No.	Tests	Specifications
1	Appearance	Clear, colourless liquid.
2	Solubility	Miscible with water and with ethanol (96%).
3	Identification	
	A) Relative density at 20°C	0.785 to 0.789 at 20°C
	B) Refractive index at 20 ± 0.5°C	1.376 to 1.379 at 20 ± 0.5°C
	C) Chemical test	The bright reddish-violet ring forms immediately at the junction of the 2 liquids. After 2-5 min, the entire sulfuric acid layer turns violet.
4	Relative density at 20°C	0.785 to 0.789 at 20°C
5	Appearance of solution	The substance to be examined is clear and colourless. The solution is clear.
6	Acidity or alkalinity	Not more than 0.6 ml of 0.01M sodium hydroxide is required to Change the colour of the indicator to pale pink.
7	Absorbance	
	At 230 nm	Maximum 0.30
	At 250 nm	Maximum 0.10
	At 270 nm	Maximum 0.03
	At 290 nm	Maximum 0.02
	At 310 nm	Maximum 0.01
	Between 230 nm to 310 nm	The spectrum shows a steadily descending curve with no observable peaks or shoulders.
8	Benzene and related Substances (By GC)	
	Benzene Total of impurities apart from 2-butanol	Not more than 2 ppm Not more than 0.3%
9	Peroxides	No colour should be developed.
10	Non volatile substances	Maximum 20 ppm.
11	Water	Maximum 0.5%