



Material	Iso Propyl Alcohol – BP Grade
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TESTS		SPECIFICATIONS	OBSERVATION	REMARKS
1	Description	Clear colorless liquid	Clear colourless liquid	Complies
2	Solubility	Miscible with purified water, and with alcohol.	Conforms	Complies
3	Identification-A	Relative density is between 0.785 and 0.789	0.786	Complies
	Identification-B	Refractive index is between 1.376 and 1.379	1.377	Complies
	Identification-C	Meets requirements of Ph.Eur. Colour changes to Blue	Colour change to blue	Complies
4	Appearance	The sample is clear and colourless. Sample of (1 in 20) is clear after 5 minutes	Conforms	Complies
5	Acidity or alkalinity	Not more than 0.6 ml of 0.01 N Sodium Hydroxide is required to change the colour of the indicator to pale pink.	0.5	Complies
6	Absorbance by UV at 230 nm	Not more than 0.30 at 230 nm	(+)0.129	Complies
7	Absorbance by UV at 250 nm	Not more than 0.10 at 250 nm	(+)0.021	Complies
8	Absorbance by UV at 270 nm	Not more than 0.03 at 270 nm	0.000	Complies
9	Absorbance by UV at 290 nm	Not more than 0.02 at 290 nm	(-)0.001	Complies
10	Absorbance by UV at 310 nm	Not more than 0.01 at 310 nm	(-)0.001	Complies
11	Benzene and related substanes : Benzene	Not more than 2 ppm	Not detected	Complies
12	Benzene and related substanes : Total related substances	Not more than 0.30%	Passes	Complies
13	Non volatile substances	The residue weights not more than 2 mg	1.0	Complies
14	Peroxides	Meets requirements of current Ph.Eur. Test no colour develops.	No colour develops	Complies
15	Water content	NMT 0.5%	0.06	Complies



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Material	Iso Propyl Alcohol – USP Grade
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TESTS		SPECIFICATIONS	OBSERVATION	REMARKS
1	Description	Clear colorless liquid with characteristic odour.	Clear colorless liquid with characteristic odour	Complies
2	Identification	A) By FTIR	Positive	Complies
		B) By GC RT	Conforms	Complies
3	Specific gravity @ 25 °C	0.783 to 0.787	0.786	Complies
4	Refractive index @ 20 °c.	1.376 – 1.378	1.377	Complies
5	Acidity	Not more than 0.70 ml of 0.020 N Sodium Hydroxide is required for neutralization.	0.5	Complies
6	Non volatile residue	Not more than 2.5 mg (0.005%)	0.0010	Complies
7	Assay (GC)	IPA Not less than: 99.8%.	99.93	Complies
8	Limit of Volatile Impurities	Each individual impurity not more than 0.1%	0.0726	Complies
		Total impurity not more than 1.0%	0.0726	Complies
9	Residual Solvents	1- Propanol Not more than 0.2%	0.0726	Complies
		Cyclohexane Not more than 0.005%	Not Traceable	Complies
10	Solubility	Miscible with purified water, ether, alcohol and chloroform.	Conforms	Complies
11	Water content	Not more than 0.1%	0.06	Complies



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Material	Iso Propyl Alcohol – Normal Grade
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TESTS		SPECIFICATIONS	OBSERVATION	REMARKS
1	Description	Clear colourless liquid with characteristic odour.	Clear colourless liquid with characteristic odour.	complies
2	Identification	By FTIR	Positive	complies
3	Specific gravity @ 25 °C	0.783 to 0.787 gm/ml	0.786	complies
4	Refractive index @ 20 °c.	1.376 to 1.378	1.377	complies
5	Acidity	Not more than 0.7 ml of 0.02 N Sodium Hydroxide is required for neutralisation of 50 ml sample.	0.5	complies
6	Non volatile residue	Not more than 0.005%	0.0010	complies
7	Assay (GC)	Not less than: 99.8%.	99.96	complies
8	Water content	Not more than 0.1%	0.05	complies



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Material	Iso Propyl Alcohol – IP Grade
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TESTS		SPECIFICATIONS	OBSERVATION	REMARKS
1	Description	Clear, colourless liquid. Odour-Characteristic and spirituous, flammable.	Conforms	Complies
2	Solubility	Miscible with water, with chloroform and with ether	Conforms	Complies
3	Identification-A,	As per IP	Conforms	Complies
	Identification-B	As per IP	Conforms	Complies
4.	Acidity or alkalinity	Not more than 0.06 ml	0.05	Complies
5	Water	Max 0.1%	0.06	Complies
6	Distillation range	Not Less than 95% v/v distils between 81°C and 83°C	99.3	Complies
7	Refractive index	1.377 to 1.378 at 20°C	1.377	Complies
8	Weight per ml	0.784 to 0.786 gm	0.784	Complies
9	Aldehydes and Ketones	Not more than 2 ml of of 0.1M NaOH	1.5	Complies
10	Benzene	Not more than 0.0002%	Not Traceable	Complies
11	Related substances by GC	Not more than 0.3%	0.0726	Complies
12	Non volatile matter	Max 0.002%	0.0010	Complies
13	Water insoluble matter	Mix 1 vol with 19 volume of water- No opalescence is produced	Conforms	Complies
14	Assay (GC)	NLT: 99.8%.	99.93	Complies

Remark : Sample conforms as per IP Pharmacopeia

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Material	Iso Propyl Alcohol – Cosmetic Grade
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Sr.No.	Parameters	Unit	Specification		Results
			Min.	Max.	
1	Odour		Soft top note with characteristic odour		Complies
2	Appearance		Clear colorless liquid free from suspended particles.		Complies
3	Purity	%	99.80		99.94
4	Colour	Pt-co		5	<5
5	Density @ 20 deg.c.	Gm/ml	0.785	0.786	0.786
6	Refractive index @ 20 deg.c.		1.376	1.377	1.377
7	Acidity as acetic acid.	ppm		10	<10
8	Non volatile matter	Gm/100 ml		0.001	<0.001
9	Water miscibility		miscible		Complies
10	Water content	%	-	0.1	0.06

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