

ANALYSIS REPORT

EXTRA NEUTRAL ALCOHOL OR "ENA" OR PATABLE ALCOHOL MINIMUM 96% AT 20°C.

ITEM: The spirits have a typical odor of pure ethanol with no other unpleasant secondary odor. It is also be clear, colorless and free from any suspended matter or foreign particles.

S. No.	Parameters	Test Results	Specification	Test Method
Chemical Analysis:				
1	Appearance	It is clear colour less & free from any suspended matter when dilute with water.	It shall be clear colour less & free from any suspended matter when dilute with water.	Visual
2	Odour	It have odour of pure ethyl alcohol.	It shall be odour of pure ethyl alcohol.	Organoleptic
3	Taste	It has characteristic taste of pure ethyl alcohol.	It shall be odour of pure ethyl alcohol.	Organoleptic
4	Ethyl Alcohol Content,%	96.3	Min 96	IS:3506
5	Methyl Alcohol Content, ppm	ND,[DL-0.5]	Max30	IS:3752
6	Higher alcohol (as amyl Alcohol), ppm	ND,[DL-0.5]	Max 5	
7	Higher Alcohol (tertiary Alcohol), ppm	ND,[DL-0.5]	Max 5	
8	Aldehydes as Acetaldehyde, ppm	ND,[DL-0.5]	Max 5	IS:323
9	Ester as Ethyl acetate, ppm	ND,[DL-0.5]	Max 30	
10	Lead as Pb, ppm	ND,[DL-0.005]	Max 1	AOAC
11	Specific Gravity at 20°C	0.8026	0.8033	FL/SOP/C-541
12	Volatile Acidity (as acetic acid), mg/L	0.22	Max 2	IS-7585
13	Methanol, mg/L	2.98	Max 30	IS-3752
14	Isopropanol and tertiary butyl alcohol, mg/100ml	ND, [DL-0.05]	-	IS-323
15	Permanganate reaction time of ethanol at 20°C, minute	35	Min 43	FL/SOP/C-255
16	Total Solids, mg/L	19.66	Max 30	DGHS, 2005
17	Miscibility	100% Miscible in water	100% Miscible in water	FL/SOP/C-627
18	Copper, mg/L	ND[DL-0.01]	Max 0.2	FL/SOP/C-14, By AAS

ND=Not Detected; DL=Detection Limit

Inference: The tested sample conforms to Specification w.r.t above test only.

We certify that this material is fit for Human Consumption.