



SUPERIOR SPIRITS PVT. LTD.

(An ISO 9001:2008 Certified Company)

2311, 3rd Floor, A-41, The Corenthum Hub, Tower-A, Sector-62,
Distt.-Gautam Budh Nagar, Noida - 201 307, Uttar Pradesh, India
Telephone : +91-120-4517900-01, Facsimile : +91-120-4517999
Email : info@superiorspirits.com, www.superiorspirits.com

Specification of Extra Neutral Alcohol (Ethyl Alcohol) - Sugar Cane Molasses

S.No.	Characterstics/ Parameters	Specifications
1	Specific Gravity @ 15.6 deg. C	0.8075
2	Ethanol Content % v/v at 20 deg. C	96 min.
3	Miscibility with water	Miscible
4 (a)	Optical Density @ 210 mm and path length : 10 mm	0.40
(b)	Optical Density @ 220 mm and path length : 10 mm	0.30
(c)	Optical Density @ 230 mm and path length : 10 mm	0.18
(d)	Optical Density @ 240 mm and path length : 10 mm	0.08
(e)	Optical Density @ 270 mm and path length : 10 mm	0.02
5	Total Acidity as Acetic Acid, mg/100 ml max.	0.2
6	Dry Extract Total, mg/100 ml max.	1.0
7	Aldehyde as Acetaldehyde, mg/100 ml max.	0.2
8	Ethyl Esters as Ethyl acetate, mg/100 ml max.	1.3
9	Methanol, mg/100 ml max.	0.5
10	Higher Alcohols (as me-2-propanol-1), mg/100ml max.	0.2
11	Ethyl Methyl Cetone, mg/l	Not Detected
12	GC Profiles	No extraneous peaks
13	Bitrex, mg/l	Not Detected
14	Toluene, mg/l	Not Detected
15	Diethyl Pthalate, mg/l	Not detected
16	Acetal, mg/100 ml max.	1.0
17	Diacetyl, mg/100 ml max.	0.02
18	Furfural	Not Detected
19	Ethyl Butyrate, mg/1 max.	0.1
20	Total Volatiles, mg/1 max.	0.6
21	Ethyl Carbamate, mg/1 max.	0.1
22	Copper as Cu	2ppm
23	Lead as Pb	Not Detected
24	Permanganate reaction time (minutes) as per I.S. Standard, minimum	48 Minutes