

## Certificate Of Analysis

### Denatured Ethanol 96.4 %

Test	Units	Limits	Results
Appearance		Clear	clear
Ethanol content (dry basis)	% Vol	96.4 Min	96.4
Water content	% Wt	0.58 Max	0.45
Acidity As CH <sub>3</sub> COOH	g/m <sup>3</sup>	20 max	4
Carbonyl as Acetaldehyde	g/m <sup>3</sup>	4 max	0.7
Esters As Ethyl acetate	g/m <sup>3</sup>	30 max	6
Methanol	g/m <sup>3</sup>	50 max	7
Higher Alcohols as isobutanol	g/m <sup>3</sup>	5 max	0.4
Residue on Evaporation	g/m <sup>3</sup>	50 max	10
Density @25C	Kg/m <sup>3</sup>	802.4 max	801.0
Water Miscibility		Pass	Pass
Permanganate time	Min	25 Min	37

The above specifications are given by the manufacturer