

<b>PRODUCT</b>	<b>ANHYDROUS ETHANOL (AEROSOL GRADE) – C<sub>2</sub>H<sub>5</sub>OH</b>
<b>SPECIFICATION REFERENCE</b>	<b>E5/S7</b>

**DESCRIPTION:** A pure, anhydrous, natural alcohol derived from sugar cane

TEST	UNITS	SPECIFICATION LIMIT
<b>Appearance</b>		The material shall be clear, colourless and free from suspended matter.
<b>Proof Strength</b>	% Proof	175,2 (Min)
<b>Alcohol Content</b>	% v/v at 20°C	99,9 (Min)
<b>Odour</b>		Having no extraneous odour other than a trace odour of the raw material.
<b>Density</b>	kg/m <sup>3</sup> at 20°C	790,0 (Max)
<b>Density</b>	kg/m <sup>3</sup> at 25°C	785,8 (Max)
<b>Relative Density</b>	g/cm <sup>3</sup>	0.790 – 0.793
<b>Residue on Evaporation</b>	ppm (m/v)	25 (Max)
<b>Water content</b>	% m/m	0.15 (Max)
<b>Esters</b>	ppm (m/m) as Ethyl Acetate	30 (Max)
<b>Acidity</b>	ppm (m/m) as Acetic acid	25 (Max)
<b>Aldehydes</b>	ppm (m/m) as Acetaldehyde	10 (Max)
<b>Aromatics</b>	ppm (m/m) as Benzene	Nil
<b>Hydrocarbons</b>	ppm (m/m) as Cyclohexane	5 (Max)
<b>Higher Alcohols (GC)</b>	ppm (m/m) as N-Propanol, Iso-Butanol, N-Butanol and Iso-Amyl alcohol	25 (Max) in total
<b>Absorbance</b>		The absorbance curve is smooth 0.4 (Max) @ 240nm 0.3 (Max) @ 250nm to 260nm 0.1 (Max) @ 270nm to 340nm

Product complies with the BP 2016, EP 8.07(01:2015:1318) and USP 39 for Dehydrated Alcohol

<b>REVIEWED BY:</b>	L. Mudaly (Laboratory Supervisor)	<b>DATE:</b>	December 2016
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