

PRODUCT	ANHYDROUS ETHANOL (AEROSOL GRADE) – C₂H₅OH
SPECIFICATION REFERENCE	E5/S7

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

TEST	UNITS	SPECIFICATION LIMIT
Appearance		The material shall be clear, colourless and free from suspended matter.
Proof Strength	% Proof	175,2 (Min)
Alcohol Content	% v/v at 20°C	99,9 (Min)
Odour		Having no extraneous odour other than a trace odour of the raw material.
Density	kg/m ³ at 20°C	790,0 (Max)
Density	kg/m ³ at 25°C	785,8 (Max)
Relative Density	g/cm ³	0.790 – 0.793
Residue on Evaporation	ppm (m/v)	25 (Max)
Water content	% m/m	0.15 (Max)
Esters	ppm (m/m) as Ethyl Acetate	30 (Max)
Acidity	ppm (m/m) as Acetic acid	25 (Max)
Aldehydes	ppm (m/m) as Acetaldehyde	10 (Max)
Aromatics	ppm (m/m) as Benzene	Nil
Hydrocarbons	ppm (m/m) as Cyclohexane	5 (Max)
Higher Alcohols (GC)	ppm (m/m) as N-Propanol, Iso-Butanol, N-Butanol and Iso-Amyl alcohol	25 (Max) in total
Absorbance		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 2018, EP 9.0(01:2015:1318) and USP 41 for Dehydrated Alcohol

REVIEWED BY:	L. Mudaly (Laboratory Supervisor)	DATE:	April 2019
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