

PRODUCT	RECTIFIED EXTRA NEUTRAL ETHANOL – C₂H₅OH
SPECIFICATION REFERENCE	E3/S7

DESCRIPTION: A high purity, natural alcohol derived from sugar cane

TEST	UNITS	SPECIFICATION LIMIT
Appearance		The material shall be clear, colourless and free from suspended matter.
Alcohol Content	% v/v at 20°C	96,4 (Min)
Odour and taste		Having no extraneous odour or taste other than a trace odour or taste of the raw material.
Density	kg/m ³ at 20°C	805,8 (Max)
Density	kg/m ³ at 25°C	801,6 (Max)
Relative Density	g/cm ³	0.805 – 0.812
Residue on Evaporation	ppm (m/v)	25 (Max)
Water miscibility		Complete
Esters	ppm (m/m) as Ethyl Acetate	30 (Max)
Acidity	ppm (m/m) as Acetic acid	20 (Max)
Permanganate Time (Barbet)	Minutes	25 (Min)
Aldehydes	ppm (m/m) as Acetaldehyde	4 (Max)
Methyl Alcohol	ppm (m/m)	30
Higher Alcohols (GC)	ppm (m/m) as N-Propanol, Iso-Butanol, N-Butanol and Iso-Amyl alcohol	5 (Max) in total
Furfural	ppm (m/m)	5 (Max)
Absorbance		The absorbance curve is smooth 0.4 (Max) @ 240nm 0.3 (Max) @ 250nm to 260nm 0.1 (Max) @ 270nm to 340nm
Benzene Content	ppm (m/m)	Absent

Product complies with the BP 2016, EP 8.07 (01/2015:1317) , USP 39 and FCC 10

REVIEWED BY:	L. Mudaly (SHEQ Manager)	DATE:	December 2016
AUTHORISED BY:	A. Govender (Quality Manager)	DATE:	December 2016