

PRODUCT	HP EXTRA NEUTRAL POTABLE ETHANOL – C₂H₅OH
SPECIFICATION REFERENCE	GE23/S3

DESCRIPTION: A pure, natural alcohol derived through natural fermentation.

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		Pure, Neutral
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)	15 (Max)
Water miscibility		Complete
Esters	ppm (m/v) as Ethyl Acetate	10 (Max)
Acidity	ppm (m/v) as Acetic acid	15 (Max)
Permanganate Time (Barbet)	Minutes	30 (Min)
Aldehydes	ppm (m/v) as Acetaldehyde	1 (Max)
Methyl Alcohol	ppm (m/v)	< 2.5
Higher Alcohols (GC)	ppm (m/v) as N-Propanol, Iso-Butanol, N-Butanol and Iso-Amyl alcohol	1 (Max) in total
Furfural	ppm (m/v)	1 (Max)
Absorbance		The absorbance curve is smooth 0.4 (Max) @ 240nm 0.3 (Max) @ 250nm to 260nm 0.1 (Max) @ 270nm to 340nm
Diacetyl	ppm (m/v)	0.03 (Max)
Pentane Dione	ppm (m/v)	0.06 (Max)

Product complies with the BP 2021, EP 10.0, USP 444 and FCC X (10th Edition)

REVIEWED BY:	L. Mudaly (Risk & Compliance Manager)	DATE:	July 2021
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