



## Ethanol Product Specifications

Grade	SEA	NS	XNS	IAA	HGAA	NAA
Description	Clear, Colourless, Flammable Liquid					
EP Analysis	-	Full Monograph	Full Monograph	-	Impurities Only	-
Strength (% v/v @ 20 C)	96.0 min	96.0 min	96.0 min	99.85 min	99.85 min	99.5 min
Water (%w/w by K.F.)	-	-	-	0.20 max	0.15 max	0.75 max
Specific Gravity (@20/20 C)	0.8088 max	0.8088 max	0.8088 max	0.7912 max	0.7912 max	0.7929 max
Residue On Evaporation (%w/v)	0.0015 max	0.0015 max	0.0010 max	0.0010 max	0.0010 max	0.0015 max
Alkalinity & Acidity as per EP test method	Pass 35 max	Pass 25 max	Pass 20 max	Pass 50 max	Pass 20 max	Pass 25 max
Absorbance	-	Pass	Pass	-	Pass	Pass
Turbidity 1+19 Water	Clear	Clear	Clear	Clear	Clear	Clear
Gas Chromatograph as per EP test method	-	Complies	Complies	-	Complies	-
Gas Chromatograph (ppm of each impurity)	Max	Max	Max	Max	Max	Max
Acetaldehyde	50	5	5	50	5	10
Acetone, Ethyl Acetate	90	20	5	90	5	20
Methanol	90	20	5	90	5	20
N-Propanol, Iso-Butanol	90	10	5	90	5	20
Complies With EP	-	Yes	Yes	-	-	-
Odour Neutral	-	Complies	Complies	-	-	-

### \*Key to the listed grades above

**SEA** (Standard Ethyl Alcohol)

**NS** (Neutral Spirit)

**XNS** (Extra Neutral Spirit)

**IAA** (Industrial Absolute Alcohol)

**HGAA** (High Grade Absolute Alcohol) **NAA** (Neutral Absolute Alcohol)

**EP** European Pharmacopoeia

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