

Quality Department - Product Specification

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ETHYL ALCOHOL 96.0-96.6% EP BP

Measure Description	Method Description	Specification
Density (in air), Kg/L, at 20°C	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	0.8039 to 0.8063
Ethyl Alcohol Content, v/v%	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	96.00 to 96.60
IDENTIFICATION A - Relative Density at 20°C	Current EP BP	0.805 to 0.812
IDENTIFICATION B - Infrared Absorption	Current EP	Conforms to standard
Acidity or Alkalinity	Current EP	1mL of 0.01N NaOH in 20mL sample produces pink colour
Residue on Evaporation, g/100mL	Current EP	NMT 0.0025
Appearance - Colour & Clarity of Solution	Current EP	It is clear and colourless when compared with water R. Dilute 1.0mL to 20mL with water R. After standing for 5 min. the dilution remains clear when compared with water R.
UV Absorbance - Spectrometer at 240nm	Current EP	NMT 0.40
UV Absorbance - Spectrometer at 250nm	Current EP	NMT 0.30
UV Absorbance - Spectrometer at 260nm	Current EP	NMT 0.30
UV Absorbance - Spectrometer at 270nm	Current EP	NMT 0.10
UV Absorbance - Spectrometer at 340nm	Current EP	NMT 0.10
UV Absorbance - Smoothness of UV Curve	Measured in a 5cm cell from 235nm to 340nm	The spectrum shows a steadily descending curve with no observable peaks or shoulders
GC - Acetaldehyde + Acetal, ppm (µL/L)	GC Analysis	NMT 10
GC - Methanol, ppm (µL/L)	GC Analysis	NMT 75
GC - Benzene, ppm (µL/L)	GC Analysis	NMT 2
GC - Sum of All Impurities, ppm (µL/L)	GC Analysis	NMT 300

Comments:

Ethyl alcohol 96.0-96.6% conforms with all European and British Pharmacopoeia standards.

Specification:

QCSPEC #: QSPEC000088, Version #: QV000000, Approver: KAITLIN.SMITH, Effective Date: 16-Sep-2019