

Quality Department - Product Specification

Date Printed: 3/29/2021 9:47:48 AM

Page: 1 of 1

ETHYL ALCOHOL ANHYDROUS

Measure Description	Method Description	Specification
Density (in air), Kg/L, at 20°C	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	NMT 0.7885
Ethyl Alcohol Content, v/v%	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	NLT 99.5
IDENTIFICATION A - Specific Gravity at 15.56°C	Current USP	NMT 0.7962
Specific Gravity (in vacuo), at 15/15°C	Current JP	0.79422 to 0.79679
IDENTIFICATION A - Relative Density at 20°C	Current EP BP	0.790 to 0.793
IDENTIFICATION B - Infrared Absorption	Current USP	Conforms to standard
Acidity or Alkalinity	Current USP	1mL of 0.01N NaOH in 20mL sample produces pink colour
Nonvolatile Residue, g/100mL	Current USP	NMT 0.0025
Clarity of Solution	Current USP	Sample Solution A and Sample Solution B show the same clarity as that of water or their opalescence is not more pronounced than that of Standard Suspension A
Colour of Solution	Current USP	The Sample Solution has the appearance of water and is not more intensely coloured than the Standard Solution
UV Absorbance - Spectrometer at 240nm	Current USP	NMT 0.40
UV Absorbance - Spectrometer at 250nm	Current USP	NMT 0.30
UV Absorbance - Spectrometer at 260nm	Current USP	NMT 0.30
UV Absorbance - Spectrometer at 270nm	Current USP	NMT 0.10
UV Absorbance - Spectrometer at 340nm	Current USP	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
Identification Test C (Limit of Methanol)	Current USP	NMT 200µL/L (200ppm) of methanol
GC - Benzene, ppm (µL/L)	GC Analysis	NMT 2
GC - Sum of All Impurities, ppm (µL/L)	GC Analysis	NMT 300
Water Content, v/v%	Karl Fischer Titration	NMT 0.100

Comments:

Expiry dates are not assigned to this item number. Ethyl Alcohol Anhydrous packaged in 25 litre lined steel pails meets USP, EP, BP, and JP criteria with the exception of UV absorption.

Product is confirmed to meet compendial UV absorption criteria at the time of manufacture. Refer to our Shelf Life Statement for more information.

Specification:

QCSPEC #: QSPEC000240, Version #: QV000003, Approver: SHANNON.SMITH, Effective Date: 29-Mar-2021