



Certificate of Analysis

Page 1 of 1

160 Proof Ethanol Grain Neutral Spirits (GNS)

#2-668 Willow Park Rd.

Kelowna, BC, Canada,

V1X5C4

LOT Number: 1710052025

Product Code: 160 Proof Ethanol

Manufactured Date: May 1 2025

Shipping Date: May 1 2025

Customer:

Container ID: HAMMOND T-13

Location:

BOL Number:

Customer PO #:

Sales Order Number:

Cust. Item #:

Country of Origin: US

Property Measured	Specifications		Testing	Analysis
	Min	Max	Method	
Specific Gravity @ 15.56C/60F				0.13
Clean, Neutral Odor	8.5	10	ASTM E1879	Passes
Methanol, ppm	0	5	GC-FID	0.00
Ethyl Acetate, ppm	0	5	GC-FID	0.00
Sum of all other impurities, ppm	0	10	GC-FID	0.7500
Proof	159.5		Calculation	159.98
Alcohol % (By Volume)	79.5		USP-NF Monograph	79.98
Alcohol % (By Weight)	79.5		USP-NF Monograph	79.98
Specific Gravity @ 15.56C/60F			USP-NF Monograph	
Specific Gravity @ 20C		0.845	USP-NF Monograph	0.843
Color, as is, Pt-Co	0	10	ASTM D1209	0
Nonvolatile Residue in 100 ml, mg	0	2.5	USP-NF Monograph	0.3
Acidity, ppm (As Acetic Acid)	0	25	ASTM D1613	9.000
Clear Appearance, Free of Particles			Visual	Passes
UV Absorbance, water, @ 240 nm: .40 max	0	0.4	USP-NF Monograph	Passes
UV Absorbance, water, 250-260 nm: .30 max	0	0.3	USP-NF Monograph	Passes
UV Absorbance, water, 270-340 nm: .10 max	0	0.1	USP-NF Monograph	Passes
UV, against water, 235-340 nm: Smooth			USP-NF Monograph	Passes
Water % (By Weight)	0	0.1	ASTM E1879	0.05

Expiration Date: retest one year after production.

Product meets FCC purity limits when

tested against monograph specifications.

Information in this document is believed to be accurate. No warranty, express or implied, is made and ClearSolv Solvents Inc/ClearSolv Solvents USA assumes no liability resulting from the use of this document/product. The user must determine the suitability of this information/product for their application.

Product meets FCC purity limits when tested against monograph specifications

Kris Jeffreys
Quality Manager