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**Quality Assurance Department
 CERTIFICATE OF ANALYSIS**

ETHYL ALCOHOL 94.9% to 96.0% USP			Location shipped from: Brampton, ON
Lot #:	16574		
Bond #:	002-06-14N		
Item #:	P210EA95		
Test	Units	Method	Specification
Ethyl alcohol, % by volume at 20 C		Calculation	94.9 - 96.0
IDENTIFICATION A- Specific gravity, at 15.56 / 15.56 C		Calculation	0.812 to 0.816
Density, Kg/L at 20 C		Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	0.8097 to 0.8103
IDENTIFICATION B- absorption	Infrared	Current USP	Conforms to Standard
Acidity		Current USP	1 ml of 0.01 N NaOH in 20 ml sample produces pink color.
Nonvolatile residue, mg / 100mL		Current USP	2.5 max.
Clarity of solution T.S. A- full strength T.S. B- 1 ml sample to 20 ml water		Current USP	Clarity for both T.S. A and B is same as for water, opalescence not more than ref. suspension A
Color of solution		Current USP	Test solution has the appearance of water and is not more intensely colored than the Standard Solution.
ULTRAVIOLET ABSORBANCE			
Measured in instrument equipped with 5 cm cell from 235 - 340nm.	Spectrometer @ 240 nm		0.40 a max.
	Spectrometer @ 250-260 nm		0.30 a max.
	Spectrometer @ 270-340 nm		0.10 a max.
		The absorption curve is smooth	Conforms
GAS CHROMATOGRAPHY			
Methanol		GC Analysis	75 ppm max.
Acetaldehyde plus acetal		GC Analysis	10 ppm max.
Benzene		GC Analysis	2 ppm max.
Sum of all other areas		GC Analysis	300 ppm max.
Remarks:		Type of Packaging	Expiration Date (MMM/YYYY)
		Glass	
		HDPE	
		X Unlined carbon steel	Jun/2016
Workbook Reference:	04061401	Disposition:	Released X
			Rejected
Analyst(s):	D.V. / K.S.		
Form prepared by: J.O.	Approved by: J.O.		<i>K. Smith</i>
Effective Date: May 24, 2011	Supersedes: Feb. 13, 2008	Q.A.	K. Smith
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