

## Quality Department - Product Specification

Date Printed: 16/09/2019 11:53:01 AM

Page: 1 of 1

### ETHYL LACTATE/ETHANOL TINCTURE

Measure Description	Method Description	Specification
Density (in air), Kg/L, at 20°C	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	0.8117 to 0.8146
Specific Gravity (in air), at 20/20°C	Calculation	0.8140 to 0.8169
Ethyl Lactate Content, v/v%	GC Analysis	1.00 to 1.20
Ethyl Alcohol Content, v/v%	Calculation	93.90 to 94.20
Miscibility with Water	Visual	Complete

### Comments:

Composition:  
 1.0 US gallons ethyl alcohol 190 proof min.  
 1.422 +/- 0.142 ounces of natural ethyl lactate (equivalent to 0.0111 +/- 0.0001 US gallons)

Specification for ethyl alcohol used in the formulation of the product:  
 Acids as Acetic Acid - 0.0020g/100mL max.  
 Esters as Ethyl Acetate - 0.0015g/100mL max.  
 Aldehydes as Acetaldehyde - 0.0007g/100mL max.  
 Higher Alcohols - 0.0040g/100mL max.  
 Nonvolatile Residue - 0.0020g/100mL max.

### Specification:

QCSPEC #: QSPEC000119, Version #: QV000000, Approver: KAITLIN.SMITH, Effective Date: 16-Sep-2019