

## Quality Department - Product Specification

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Brampton - DENATURED ETHYL ALCOHOL SDAG-11 Anhydrous

Measure Description	Method Description	Specification
Density (in air), Kg/L, at 20°C	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	0.7941 max.
Ethyl Alcohol Content, v/v%	Calculation	94.60 min.
Ethyl Acetate Content, v/v%	GC Analysis	4.76 +/- 0.40
Water Content, v/v%	Karl Fischer Titration	0.250 max.
Acids as Acetic Acid, g/100mL	Current ASTM D1613	0.002 max.
Colour, APHA	In-house Method	4 max.
Miscibility with Water	Visual	Complete

### Comments:

Composition:  
100 litres anhydrous ethyl alcohol 99.9% vol. min.  
5 +/- 0.5 litres ethyl acetate

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 #: QSPEC000071, Version #: QV000000, Approver: KAITLIN.SMITH, Effective Date: 16-Sep-2019