

## Quality Department **PRODUCT SPECIFICATION**

| Test Units                                      | Method   | Specification                |
|---|--|------------------------------|
| Density in Air, Kg/L at 20 C                    | Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables | 0.8061 max.                  |
| Strength, v/v%                                  | Calculation  | 96.1 min.                    |
| Acids as Acetic Acid, g/100mL                   | Current ASTM D 1613  | 0.002 max.                   |
| Appearance                                      | Visual   | Clear water white            |
| Odour/Taste                                     | In-house Method  | Typical neutral grain spirit |
| Methanol, ppm                                   | GC Analysis  | 50 max.                      |
| n-Propanol, ppm                                 | GC Analysis  | 20 max.                      |
| Aldehydes, ppm                                  | GC Analysis  | 2* max.                      |
| Esters, ppm                                     | GC Analysis  | 2* max.                      |
| Fusel Oils as C4 Butanols and C5 Pentanols, ppm | GC Analysis  | 2* max.                      |
| Higher Alcohols as Isobutyl Alcohol, g/100mL    | GC Analysis  | 0.0040 max.                  |
| Comments:                                       | 1  | Reference Number: 4.10-43    |
| *Analytical detection limit                     |  | Approved by: P.O.            |
|   |  | Effective Date: 06/Feb/2018  |
|   |  | Revision Number: 5           |