

Quality Department - Product Specification

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CARBON FILTERED CANADIAN GRAIN NEUTRAL SPIRITS 22%

Measure Description	Method Description	Specification
Density (in air), Kg/L, at 20°C	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	0.9693 to 0.9714
Ethyl Alcohol Content, v/v%	Methods specified in the Revenue Canada Customs & Excise Alcoholometric Tables	21.0 to 23.0
Odour	In-house Method	Typical grain neutral spirit

Comments:

GNS 22% is made by blending 95.5% strength (approx.) carbon-filtered ethyl alcohol with spring water that meets Health Canada's definition of 'Spring Water' as specified in Division 12 of the Food and Drug Regulations. Spring water is required to meet potable water standards and be untreated by chemicals. In addition, spring water used by Greenfield Global in the above formulation is also passed through a particulate filter, ozonated, and passed through a reverse osmosis system.

Specifications for carbon filtered ethyl alcohol 95.5% used in the formulation of Carbon Filtered Canadian Grain Neutral Spirits 22%:

Acidity or Alkalinity - meets current USP test requirements

UV Absorbance - meets current USP test requirements

Acetaldehyde - 5 ppm max.

Methanol - 75 ppm max.

n-Propanol - 20 ppm max.

Fusel oil (C4 and above) - 5 ppm max.

Specification:

QCSPEC #: QSPEC000139, Version #: QV000000, Approver: KAITLIN.SMITH, Effective Date: 16-Sep-2019