

### Product Specification Sheet

<b>Effective Date:</b>	2/13/2020	<b>Supersedes:</b>	10/30/2019
<b>Product:</b>	Organic Hemp Seed Oil	<b>Country of Origin:</b>	Canada
<b>Product Code:</b>	HO	<b>GFSI/GMP Status:</b>	HACCP/GMP
<b>Certified Organic:</b>	Yes	<b>Kosher Certified:</b>	Yes
<b>Gluten Free:</b>	No	<b>Non-GMO Status:</b>	Non-GMO
*Other certifications may be available from the manufacturer. Please contact your sales rep to discuss.			

<b>Botanical Name:</b>	<i>Cannabis sativa</i>
<b>Ingredient Declaration:</b>	100% hemp seed oil *Hemp seeds are naturally gluten free however not all fields are free of gluten producing plants. Crosscontact is not preventable.
<b>Packaging:</b>	4 Liter Jugs
<b>Storage Conditions:</b>	Store in a cool, dry place.
<b>Retest Date:</b>	18 months from date of manufacture.

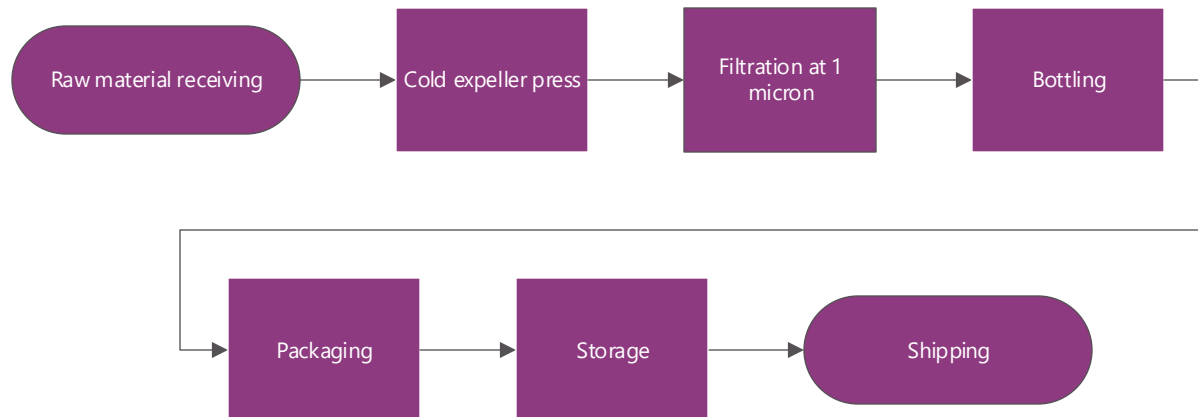
Organoleptic	Method	Specification	Test Frequency
<b>Color</b>	Organoleptic	Clear green to yellow	Every lot by manufacturer
<b>Appearance</b>	Organoleptic	Viscous liquid	Every lot by manufacturer
<b>Flavor</b>	Organoleptic	Typical of hemp	Every lot by manufacturer
Physical & Chemical	Method	Specification	Test Frequency
<b>THC</b>	AFVAN-SLMF-0029	<10 ppm	Every lot by manufacturer
Microbiological	Method	Specification	Test Frequency
<b>APC</b>	AOAC/BAM/MFHPB	<10,000 CFU/g	Every lot
<b>Coliforms</b>	AOAC/BAM/MFHPB	<100 MPN/g	Lots tested by CCI
<b>E. Coli</b>	AOAC/BAM/MFHPB	<2 MPN/g	Every lot
<b>Staphylococcus</b>	AOAC/BAM/MFHPB	<25 CFU/g	Every lot
<b>Salmonella</b>	AOAC/BAM/MFHPB	Negative	Every lot
<b>Listeria</b>	AOAC/BAM/MFHPB	Negative	Lots tested by CCI
<b>Yeast</b>	AOAC/BAM/MFHPB	<3,000 CFU/g	Every lot
<b>Mold</b>	AOAC/BAM/MFHPB	<3,000 CFU/g	Every lot

Testing Method: Cambridge Commodities may validate manufacturer's test results using a 3rd party, accredited laboratory. COA's provided will be certified laboratory results on items indicated as tested every lot unless they are unavailable or other format is agreed upon in advance between the customer and CCI. Testing methods vary based on who is conducting the testing.

### Change Log

Change:	Date:	Customer Notice:	Approved:
New	10/30/2019	No	BP
update specs for APC and E.Coli per manufacturer's updated spec, responsibility of testing parameter for supplier's removal of coliforms and listeria. Removed clostridium as parameter tested.	13-Feb	Yes	

## Production Flow Chart HO – Organic Hemp Oil



### 100g Nutritional

<b>Product Name:</b>	Organic Hemp Oil
<b>Country of Origin:</b>	Canada

Component	Amount per 100g
Total Calories	800
Total Fat	86.65
Trans Fat	0
Polyunsaturated Fat	66.66
Saturated Fat	6.66
Monounsaturated Fat	Not Detected
Protein	0
Carbohydrates	0
Sugars	0
Added Sugars	0
Fiber	0
Cholesterol	Not Detected
Sodium	Not Detected
Vitamin A	Not Detected
Vitamin C	Not Detected
Vitamin D	Not Detected
Vitamin E	Not Detected
Vitamin B1	Not Detected
Vitamin B2	Not Detected
Vitamin B3	Not Detected
Calcium	Not Detected
Potassium	Not Detected
Phosphorus	Not Detected
Copper	Not Detected
Magnesium	Not Detected
Iron	Not Detected
Zinc	Not Detected



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 www.earthcircle.com

FDA# 10272501960

### Allergen Declaration

<b>Product Name:</b>	Organic Hemp Oil
<b>Country of Origin:</b>	Canada

Allergen Components and Derivatives	Present in Product	Present in other products manufactured on the same line	Present in the same mfg facility
Milk/Dairy Products	No	No	No
Eggs	No	No	No
Wheat Products (including sources of gluten)	No*	No*	No*
Soy	No	No	No
Peanuts	No	No	No
Tree Nuts	No	No	No
Crustaceans	No	No	No
Fish	No	No	No
Seeds (sesame, poppy, sunflower or cotton)	No	No	No
Corn	No	No	No
Celery	No	No	No

\*While hemp seed is naturally gluten free, due to growth proximity to wheat fields raw materials and finished product cannot be guaranteed gluten free. We recommend testing, per lot, if product is required to be gluten free

Our warehouse and copacking facilities maintain handling and production systems that are physically separated, inventory is separated and proper procedures are in place to prevent cross-contamination between all products.



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## Gluten Statement

### **Product: Organic Hemp Oil - Canada**

The organic hemp oil sold by Cambridge Commodities, Inc., while naturally gluten free, due to growth proximity to wheat fields, raw materials and finished product cannot be guaranteed gluten free. Cambridge Commodities, Inc. recommends testing per lot if the product is required to be gluten free.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Vegetarian/Vegan Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is produced to a standard in accordance with the following:

- Does not contain: meat, fish, fowl, animal by-products including bone char, eggs/egg products, milk/milk products, or honey/honey bee products.
- Ingredients and finished products are not tested on animals.
- Does not contain known animal-derived GMOs or genes used to manufacture ingredients or finished products.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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## **Pesticide Statement**

### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is certified organic by Organic Certifiers in accordance with the USDA National Organic Program standards. This product complies with all regulatory requirements and certification standards. Specifically, with regard to chemical residues, this product can be guaranteed to contain 5% or less of EPA minimum tolerance per chemical and per commodity (as required in section 7 CFR 205.671) when analyzed at single strength or on an "as is" basis.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist





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## Solvent Statement

### **Product: Organic Hemp Oil**

There are no solvents used in the production of the organic hemp oil sold by Cambridge Commodities, Inc.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **WADA Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil purchased and distributed by Cambridge Commodities, Inc. does not contain nor come in contact with substances listed on the WADA prohibited substance list.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Aflatoxin Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is, to the best of our knowledge, free from Aflatoxins.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Preservative Statement**

#### **Product: Organic Hemp Protein**

There are no preservatives used in the production of the organic hemp protein sold by Cambridge Commodities, Inc.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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## GMO Statement

### **Product: Organic Hemp Oil**

Cambridge Commodities, Inc. organic hemp oil does not contain Genetically Modified Organisms (GMO).

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Irradiation Statement**

#### **Product: Organic Hemp Oil**

To the best of our knowledge, the organic hemp oil sold by Cambridge Commodities, Inc. has not been irradiated.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Melamine Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is, to the best of our knowledge, free from melamine.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Natural Statement**

#### **Product: Organic Hemp Oil**

Cambridge Commodities, Inc. hereby attests that the organic hemp oil sold by Cambridge Commodities, Inc. are of natural origin.

Source Material: Organic Hemp Seeds

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist





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### **Ethylene Oxide Statement**

#### **Product: Organic Hemp Oil**

Cambridge Commodities, Inc. hereby attests that no Ethylene Oxide is used during any point of the production of the organic hemp oil sold by Cambridge Commodities, Inc.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Benzoic Acid Statement**

#### **Product: Organic Hemp Oil**

Cambridge Commodities, Inc. hereby attests that the organic hemp oil sold by Cambridge Commodities, Inc. is not manufactured with nor does it come in contact with benzoic acid. Additionally, there is no benzoic acid brought into our facility.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **BSE/TSE Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is free from any ingredients associated with BSE (Bovine Spongiform Encephalopathy), TSE (Transmissible Spongiform Encephalopathy) or "Mad Cow Disease".

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Sewage Sludge Statement**

#### **Product: Organic Hemp Oil**

There is no sewage sludge used in the production of the organic hemp oil sold by Cambridge Commodities.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **MSG Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is, to the best of our knowledge, free from Monosodium Glutamate (MSG).

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **Cruelty Free Statement**

#### **Product: Organic Hemp Oil**

Cambridge Commodities, Inc. only sources cruelty free ingredients. Our organic hemp oil is not produced using animal ingredients or labor nor is it tested on animals.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – PCQI/QA Specialist



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### **Ready to Eat (RTE) Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is considered ready to eat and does not require any further processing.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



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### **100% Organic Statement**

#### **Product: Organic Hemp Oil**

The organic hemp oil sold by Cambridge Commodities, Inc. is 100% organic. A copy of our organic certificate is available upon request.

Thank you,

*Bailey Pavusko*

Bailey Pavusko – QA Specialist



## FoodChain ID Standard Ingredient Form

*This form facilitates the verification process for enrolled participants. The Non-GMO Project (NGP) Standard requires FoodChain ID to assess all potential GMO (\*) risk ingredients, including highly processed ingredients and sub-ingredients. Detailed information from suppliers is required and highly appreciated. Thank you for your cooperation.*

*Instructions: This form should be used with the latest version of Adobe Reader. The manufacturer of this ingredient should complete, sign and return this form to enrolled participant. In turn, the participant should upload the completed form to their record.*

**Ingredient name:** \_\_\_\_\_

**Ingredient Manufacturer name:** \_\_\_\_\_

1. Is this ingredient 95+% Certified Organic?  Yes  No

2. Has this ingredient been verified as a product through the Non-GMO Project Product Verification Program?

Yes  No

*If you have answered YES to question 2, please answer 2.1, 2.2, and 2.3. Then skip to the end of this document and fill out the signature section. If you have answered NO, please proceed to question 3.*

2.1 The NGP verified product name should be listed either on the NGP website or on the addendum of the NGP Certificate. If the NGP verified product is not listed on the NGP website, please provide the NGP Certificate with addendum.

2.2 Please provide name of customer to whom you are selling your NGP verified product below:

\_\_\_\_\_

2.3 Is any third party receiving and/or handling the NGP verified product in permeable\* form?

Yes  No

*\*Permeable form: handling of NGP verified product in unsealed form.*

3. Ingredient properties (check either box A or B, displayed below)

A. The ingredient consists of a single input (“mono”). **Please identify the single raw material source (e.g. flax seed):** \_\_\_\_\_. *Select this option only if this is a 100% single ingredient and does **not** contain (or is used to process) any additives (i.e. preservatives, carriers, anti-caking agents, etc.) or processing aids (enzymes, solvents, extractants, microorganisms, etc.) in its manufacturing process.*

*If you checked box A, please skip question 4.*

B. The ingredient contains multiple inputs (“compound”).

*Select this option if the ingredient contains more than one input.*

4. In the table displayed below, list all of ingredient’s raw materials, additives, incidental additives, processing aids<sup>2</sup> and fermentation media/substrates and any other inputs that are used in the manufacturing process of the ingredient.

Examples include but are not limited to anti-caking agents in salts and standardizing agents in powders, solvents in extracts, all processing aids, including enzymes, microorganisms and extractants, as well as additives like preservatives, carriers, pH adjusters and antioxidants in oils.

Sub-ingredient name	Identify all inputs used in manufacturing of sub-ingredient(s) or indicate that sub-ingredient is 100% raw material	Is this input a processing aid*?
<i>Example: Sunflower Oil</i>	<i>Example: 100% Sunflower seeds OR sunflower seeds, citric acid and vitamin E.</i>	<i>Check the box if the ingredient is a processing aid.</i>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Additional rows needed and supplementary list is attached. (Please sign and date supplemental list.)

\* Fermentation microorganisms are not considered processing aids for purposes of the Non-GMO Project Standard.

*The following questions apply to the ingredient itself, and if a compound, to ALL its sub-ingredients and/or inputs used to produce its sub-ingredients. These should be fully disclosed in the table above (including any proprietary formulation).*

5. Is this ingredient or its sub-ingredients, including inputs used to produce them, microbial or produced with a microbial culture?  Yes  No  
*(Please select YES even if microorganism has been removed or degraded in finished fermented or processed material)*

Please list ingredient/sub-ingredient(s) and/or all inputs to which your response applies:

5.1 *If Yes*, are any of the microorganisms genetically modified?<sup>1</sup>  Yes  No

If you have answered **Yes** to question 5.1 please answer the following questions:

5.2 Are any of the micro-organisms viable?<sup>3</sup>  Yes  No

*If No*, please explain how micro-organisms are rendered non-viable (describe processes used):

5.3 Is/are the input(s) present in purified<sup>4</sup> form?  Yes  No

*If Yes*, please identify the purified inputs and processes involved in purification:

*For additional information about requirements for cultured/microbially processed ingredients that contribute 0.5% or greater to a finished product enrolled in the Non-GMO Project Product Verification Program (discounting salt and water), request Annex II of this form.*

6. Is this ingredient or its sub-ingredients, including inputs used to produce them, either enzymes or produced with the help of enzymes?  Yes  No  
*(Please select YES even if enzyme has been removed or degraded in finished fermented or processed material).*

Please list ingredient/sub-ingredient(s) and/or all inputs to which your response applies:

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7. Is this ingredient or its sub-ingredients, including inputs used to produce them, a product of synthetic biology (*i.e.* produced with synthetically created nucleic acid sequences and/or genes)?  Yes  No

*If Yes:*

Please list all ingredient/sub-ingredient(s) and/or all inputs to which your response applies:

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8. Is this ingredient or its sub-ingredients, including inputs used to produce them, derived from animal sources (e.g. dairy, meat, eggs, bee products, wool/hides, etc.)?  Yes  No

*If Yes:*

Answer the following for each animal-derived input (ingredient, sub-ingredient or any inputs used in processing):

- Is rBGH, rBST (recombinant bovine growth hormone or recombinant bovine somatotropin) administered to the livestock?  Yes  No
- Are Animal husbandry practices involving cloned spermatozoa (cloned animals or their progeny) used?  Yes  No
- Are Bee products, viz. honey, bee pollen, etc., used?  Yes  No

*If Yes, for additional information about requirements for bee products that contribute 0.5% or more to a finished enrolled NGP product (discounting salt and water), request Annex III of this form.*

9. Is the ingredient or any sub-ingredients derived from alfalfa, canola, corn, cotton, papaya, soy, sugar beets, yellow summer squash, or zucchini? (Disclosure of this information is required.)  Yes  No

*If you selected Yes to questions 5, 6, 7, 8 or 9, complete the following table for applicable ingredient, sub-ingredients and/or inputs used to produce the sub-ingredient:*

Ingredient name/Sub-ingredient name/Input name used to produce Sub-ingredient	Percentage of the finished ingredient (discounting salt and water) if known	Certified Organic or other Non-GMO certificate (i.e. IP)? <i>If Yes provide certificate with addendum.</i>	Please check any of the following for which you answered Yes					Complete this section only if you answer Yes to Q9										
			Q5	Q6	Q7	Q8	Q9	Alfalfa	Canola	Corn	Cotton	Papaya	Soy	Sugar Beets	Squash	Yellow Summer	Zucchini	Countries and/or regions of origin

Additional rows needed and supplementary list is attached.

For additional information about requirements for reclassifying high GM risk crop ingredients to low GM risk designation as a result of exclusive procurement from GMO free countries/regions, request Annex IV of this form.

10. For any waterborne ingredient or sub-ingredient,<sup>5</sup> algae/microalgae,<sup>6</sup> fish or other water dwelling organism, please specify whether it is wild harvested/wild caught or cultivated<sup>7</sup>/farmed.<sup>8</sup> Please disclose this information for each supplier used.

Input name(s) (e.g. Spirulina): \_\_\_\_\_ wild harvested/wild caught?  Yes  No  
 Input name(s): \_\_\_\_\_ wild harvested/wild caught?  Yes  No

If cultured algae accounts for more than 0.5% of final product (discounting salt and water), additional information about nutrients/substrates will be required; please request Annex II.

<sup>1</sup>**GMO or genetically modified organism:** A plant, animal, microorganism, or other organism whose genetic makeup has been modified using recombinant DNA methods (also called gene splicing), gene modification, or transgenic technology. Cloned animals and their progeny are also considered GMOs under this Standard, as are the products of synthetic biology.

<sup>2</sup>**Processing Aid:** An input that is (1) added during the processing of the product but is removed in some manner from the product before it is packaged in its final form; (2) added during the processing of the product and converted into constituents normally present in the product and which does not significantly increase the amount of the constituents naturally found in the product; or (3) added to the product for its technical or functional effect during processing but is present in the finished product at insignificant levels and does not have any technical or functional effect in the finished product.

<sup>3</sup>**Viable microbe:** a microbe that performs metabolic functions and reproduces/multiplies itself.

<sup>4</sup>**Purified material:** an ingredient is considered purified if it has been extracted from other molecules, elements, or systems where found or produced and its impurities have been removed so that they have no technical effect.

<sup>5</sup>**Waterborne ingredient or sub-ingredients:** include but are not limited to 'sea vegetables,' 'fruits' or other freshwater inputs.

<sup>6</sup>**Algae/microalgae:** chlorella or spirulina species etc.

<sup>7</sup>**Cultivated:** for algae.

<sup>8</sup>**Farmed:** for fish or other waterborne animals.

Please sign to attest that your answers to the above questions are true and accurately rendered. Acceptable signature forms include handwritten signatures, hand signature images, and typed names with a company seal or electronic/digital script signatures; a printed name alone will not suffice as signature.

Signature (Manufacturer) \_\_\_\_\_ Printed name \_\_\_\_\_

Position Title \_\_\_\_\_ Date \_\_\_\_\_

Company Name \_\_\_\_\_