



Back To Your Roots Soil Solutions Inc.

High Brix Manufacturing Inc.

Organic Paperwork for Verification 2026

Diverse-A-Tea

March 1, 2026

To Whom it Concerns

Diversity-A-Tea Brewing Services is an independently owned company that contracts and provides the service of brewing microbial tea.

The process of brewing is a well studied and systematic process to remove and extract microbes from sources, incubate and proliferate microbial life in a water solution. End use includes acceleration of compost production, application to forages, plants and soil. Dr. Elaine Ingham has done extensive research on the making and the use of compost teas, "Teaming with Microbes" is an excellent resource for individuals that are looking for additional information about this practice of brewing, uses and ingredients.

The brewing process used by Diverse-a-Tea Brewers starts with water treated with 5 mechanical processes to aerate, heat, and energize prior to the brewing. The aeration process includes the use of atmospheric air to reach the aeration point identifier for best brewing conditions based on temperature, microbe populations, etc. Following the aeration processes, the water is transferred to the brewing tank. Products identified by the contractor are added at this point. This is brewed using forced atmospheric air for a period of 24 hours. At the end of the brewing process, the tea is strained, stabilized to a pH of approximately 4.0 with citric acid and transferred to plastic totes.

Cleaning of the equipment occurs following each batch with the use of peroxide to clean and disinfect and a double rinse with clean water.

The contract used for this service is included in this package, along with a disclaimer form, and an information sheet about what ingredients can be used to establish bacterial or fungal dominant teas.

The brewer does have access to several different brewing ingredients used in the brewing process. Paperwork needed to substantiate organic use will need to be verified by the producer with their own certifier. These papers will be made available upon request.

Sincerely,

Greg Moline, Owner of Diverse-A-Tea Brewing Services.

Customer Signature: _____

Diverse-A-Tea Brewing Services

Date:

Contract Number 2000

Customer Name:

Address:

Attached is an Order Form for the brewing service for the Microbial Tea. Please sign this document and the order form, retain copies for your records and return the top copies with your payment.

Diverse-a-Tea Brewing Service is a privately owned company that provides only the service of brewing aerobic microbe tea. We use a protected process to aerate and brew tea and then stabilize the microbes for storage and shipping.

We take no responsibility for the contents of the product, use of the product, nor for the disposal of any remaining product or containers. Please refer to your local, municipal, and provincial guidelines for more information. We only use ingredients requested and provided by our customers.

In order to ensure quality of your Microbial tea, our customers must identify what ingredients they want included in the tea. Customers requiring organic tea must identify any protocols for cleaning or ingredients prior to ordering the service. Use of Phosphoric acid is required to stabilize the tea after brewing. Please contact your rep. for information about ingredients often used in microbial tea.

I have read and understand the above information:

Customer Signature: _____ Date: _____

Customer Printed Name: _____

For more information about compost teas, microbial teas, or microbes of the soil, please refer to the following resources:

Teaming with Microbes

Authors: Jeff Lowenfels and Wayne Lewis, with foreword by Dr. Elaine Ingham.

Adding Biology

Author: Dr. Elaine Ingham and Carole Ann Rollins

Compost Tea Brewing Manual 5th Ed. Elaine Ingham

Soil Biology Primer

Authors: Dr. Elaine Ingham, Andrew R. Moldenke & Clive A. Edwards



Back To Your Roots Soil Solutions

High Brix Manufacturing

Organic Paperwork for Verification 2026

Verified Tea Starter Ingredient List:

Worm Castings

Molasses

Humic Acid

Micronized Soft Rock

Citric Acid



INPUTS VERIFICATION SERVICE

N° 219688-20251209-0826

Earthly Matters Vermiculture Inc.

1302 15th Avenue T1M 1K7 Coaldale Alberta - Canada

RESULT OF THE DOCUMENTARY EVALUATION

According to Canadian Organic Standards*

Issued: 9 December 2025

Expires: 24 March 2027

Ecocert Canada has reviewed the declared formulae for the products listed below against the National Standard of Canada on Organic Production Systems and Permitted Substances Lists (CAN/CGSB 32.310, CAN/CGSB 32.311 and CAN/CGSB 32.312).

Ecocert Canada has verified that all the declared ingredients appear on the Permitted Substances Lists (CAN/CGSB-32.311) applicable sections and are compliant with any restrictions regarding their production and composition.

Ecocert Canada has also verified that the declared processes used in the manufacture of this/ these products and its/ their ingredients are compliant with section 1.4, 1.5 and section 6.4.4 of CAN/CGSB-32.310.

When restrictions apply regarding the use of such substances, they are indicated in the table in annex.

We remind you **no reference to Ecocert Canada is allowed**

This document is valid until its expiration date. A new evaluation is required every year.

Organic operators must check with the certifier before using any input.

**pursuant to the standards CAN/CSGB 32.310 - General Principles and Management Standards, the CAN/CSGB 32.311 - Permitted Substances Lists and CAN/CSGB 32.312-Aquaculture – General principles, management standards and permitted substances lists.*

Earthly Matters Vermiculture Inc.

1302 15th Avenue T1M 1K7 Coaldale Alberta -

ANNEX

Issued: 9 December 2025

Expires: 24 March 2027

Inputs reviewed according to Canadian Organic Standards*

Inputs reviewed for the trademark: Earthly Matters

INPUT(S)	APPLICABLE SECTION	RESTRICTION
> Worm Castings	32.311_4.2 - Substances for crop production, Column 1 -Soil Amendements	

**pursuant to the standards CAN/CSGB 32.310 - General Principles and Management Standards, the CAN/CSGB 32.311 - Permitted Substances Lists and CAN/CGSB 32.312-Aquaculture – General principles, management standards and permitted substances lists.*

This annex is not valid without the evaluation letter to **Earthly Matters Vermiculture Inc.** , dated **9 December 2025**.

Organic operators must check with the certifier before using any input.

Certificate

ORGANIC PRODUCTS N° 261541/ 08221946



Ecocert Canada hereby confirms that:

Pure Life Organic Foods Ltd.

40 King Street West #6600, Ontario M5H 3S1 Toronto - CANADA

has been audited and certified according to the certification scheme

Canada Organic Regime* (COR)



For production steps / activities:

TRADING OF ORGANIC PRODUCT

Certificate issued on August 22, 2025

Ecocert Canada

4061 Boulevard Guillaume Couture, LOCAL 201, Lévis, Québec,
G6W 6N2, Canada

<https://www.ecocert.com/fr-CA/home>

Anniversary date: April 15, 2026

when the operator shall submit application for subsequent annual inspection. This is not an expiration date

Initial certification date: June 7, 2022

The last audit took place on July 7, 2025

Sébastien Houle

Z001(COR)v02en

Page 1/4

*pursuant to Part 13 of the Safe Food for Canadians Regulations (SFCR), the standards CAN/CGSB 32.310 - General Principles and Management Standards and the CAN/CGSB 32.311- Permitted Substances Lists and/or CAN/CGSB 32.312 Organic Production Systems Aquaculture General principles, management standards and permitted substances lists.

This certification remains valid unless suspended or cancelled by Ecocert Canada pursuant to Part 13 of the SFCR.
This document authorizes the use of the Ecocert Canada reference on the labels of the certified products.



SCAN ME
Access this up-to-date official certificate

Annex to the certificate

ORGANIC PRODUCTS N° 261541/ 08221946



Pure Life Organic Foods Ltd.

Canada Organic Regime* (COR)

Products certified for the trademark: **Pure Life Organic Foods**

PRODUCTS	DEFINED AS	ADDITIONAL EQUIVALENCES ([X]: in compliance)	
		CAN-US (1)	CAN-EU (2)
> Bee Elixir	Organic	X	
> Bee Fondant	Organic	X	
> Blackstrap Molasses	Organic	X	
> Cane Molasses	Organic	X	
> Cane Sugar, Brown	Organic	X	
> Cane Sugar, Demerara	Organic	X	
> Cane Sugar, Extra Light	Organic	X	
> Cane Sugar, Golden	Organic	X	
> Cane Sugar, Golden Brown	Organic	X	
> Cane Sugar, Khandsari	Organic	X	
> Cane Sugar, Raw	Organic	X	
> Cane Sugar, White	Organic	X	
> Coated Sugar	Organic	X	
> Crystal Sugar	Organic	X	
> Ethanol	Organic	X	
> High Energy Feed	Organic	X	
> Invert Sugar Syrup	Organic	X	
> Invert Syrup	Organic	X	
> Jaggery Powder	Organic	X	
> Lite Liquid Sucrose	Organic	X	
> Sucrose Syrup	Organic	X	

Z001(COR)v02en

Page 2/4

*pursuant to Part 13 of the Safe Food for Canadians Regulations (SFCR), the standards CAN/CGSB 32.310 - General Principles and Management Standards and the CAN/CGSB 32.311- Permitted Substances Lists and/or CAN/CGSB 32.312 Organic Production Systems Aquaculture General principles, management standards and permitted substances lists.

This certification remains valid unless suspended or cancelled by Ecocert Canada pursuant to Part 13 of the SFCR.
This document authorizes the use of the Ecocert Canada reference on the labels of the certified products.



SCAN ME
Access this up-to-date official certificate

Annex to the certificate

ORGANIC PRODUCTS N° 261541/ 08221946



> Sugar	Organic	X
> Sugar Syrup	Organic	X
> Tapioca Chips	Organic	X
> Tapioca Fibre	Organic	X
> Tapioca Flour	Organic	X
> Tapioca Starch	Organic	X
> Tapioca Syrup	Organic	X

- (1) Certified in compliance with the terms of the U.S. Canada Organic Equivalency Arrangement (USCOEA).
- (2) European Union Canada Organic Equivalency Arrangement (EUCOEA).

Certificate issued on August 22, 2025

Ecocert Canada

4061 Boulevard Guillaume Couture, LOCAL 201, Lévis, Québec,
G6W 6N2, Canada

<https://www.ecocert.com/fr-CA/home>

Z001(COR)v02en

Page 3/4

*pursuant to Part 13 of the Safe Food for Canadians Regulations (SFCR), the standards CAN/CGSB 32.310 - General Principles and Management Standards and the CAN/CGSB 32.311- Permitted Substances Lists and/or CAN/CGSB 32.312 Organic Production Systems Aquaculture General principles, management standards and permitted substances lists.

This certification remains valid unless suspended or cancelled by Ecocert Canada pursuant to Part 13 of the SFCR.
This document authorizes the use of the Ecocert Canada reference on the labels of the certified products.



SCAN ME
Access this up-to-date official certificate

Annex to the certificate

ORGANIC PRODUCTS N° 261541/ 08221946



Pure Life Organic Foods Ltd.

Canada Organic Regime* (COR)

Covered sites:

> 40 King Street W, # 6600, Toronto , Ontario, M5H 3S1, CANADA

Certificate issued on August 22, 2025

Ecocert Canada

4061 Boulevard Guillaume Couture, LOCAL 201, Lévis, Québec,

G6W 6N2, Canada

<https://www.ecocert.com/fr-CA/home>

Z001(COR)v02en

Page 4/4

*pursuant to Part 13 of the Safe Food for Canadians Regulations (SFCR), the standards CAN/CGSB 32.310 - General Principles and Management Standards and the CAN/CGSB 32.311- Permitted Substances Lists and/or CAN/CGSB 32.312 Organic Production Systems Aquaculture General principles, management standards and permitted substances lists.

This certification remains valid unless suspended or cancelled by Ecocert Canada pursuant to Part 13 of the SFCR. This document authorizes the use of the Ecocert Canada reference on the labels of the certified products.



SCAN ME
Access this up-to-date official certificate



Certificate of Analysis

General Information

Product Name: Citric Acid Anhydrous, Granular, NSF® - 60

Product Number: CITA**

Batch Number: 510000319

Manufacturing Date: October 26, 2025

Physical & Chemical Data

Chemical Name: 1,2,3-Propanetricarboxylic acid, 2-hydroxy-

Common Name: Citric acid

CAS Number: 77-92-9

Appearance: Colourless translucent crystals or as white, fine, crystalline powder

Sample Data

Identification: Pass Test

Clarity and Colour of Solution: Pass Test

Content (C₆H₈O₇): 100.0%

Moisture: 0.1%

Oxalate / Oxalic Acid: <100 mg/kg

Sulphate: <150 ppm

Readily Carbonisable Substances (ABS): <0.52

Readily Carbonisable Substances (TRA): >30%

Residue on Ignition (Sulphated Ash): 0.01%

Heavy Metals: <5 ppm

Arsenic (As): <0.1 mg/kg

Lead (Pb): <0.1 mg/kg

Mercury (Hg): <0.1 mg/kg

Aluminium (Al): <0.2 ppm

Bacterial Endotoxins: <0.5 IU/mg

Isocitric Acid: Pass Test

Barium (Ba): Pass Test

Calcium (Ca): <200 ppm

Iron (Fe): <50 ppm

Chloride (Cl): <50 ppm

Mesh Size: 30-80 Mesh



Safety Data Sheet

Section 01 Identification

Product Identifier	Citric Acid Anhydrous Citric Acid Anhydrous (30-80 Mesh), NSF® - 60 Citric Acid Anhydrous, Granular, NSF® - 60
Other Means of Identification	2-hydroxyl-1,2,3-propanyl-tri-carboxylic acid; CAS: 77-92-9
Product Use and Restrictions on Use	For commercial and industrial use. This product is NSF certified for use in drinking water, see section 15 and the NSF website for further information.
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7 Phone: 800.387.7503 Fax: 888.281.8109 www.cleartech.ca
Prepared By	ClearTech Industries Inc. technical writer
24-Hour Emergency Phone	306.664.2522

Section 02 Hazard Identification

Physical Hazards

Combustible dusts Category 1

Health Hazards

Serious eye damage / eye irritation Category 2

Signal Word

Warning

Hazard Statements

May form combustible dust concentrations in air.
H319 Causes serious eye irritation.

Pictograms



Precautionary Statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Safety Data Sheet

Citric Acid Anhydrous
ClearTech Industries Inc

P264 Wash affected body parts thoroughly after handling.

P280 Wear , face protection

Response

P305 P351 P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P337 P313 and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Hazards Not Otherwise Classified

Not available

Supplemental Information

Not available

Section 03 Composition / Information on Ingredients

Hazardous Ingredients:

Chemical name	Common name(s)	CAS number	Concentration (w/w%)
2-hydroxypropane-1,2,3-tricarboxylic acid	Citric acid	77-92-9	>99.5%

Section 04 First-Aid Measures

Description of necessary first-aid measures

Inhalation Get medical advice / attention if you feel unwell or are concerned.

Ingestion Get medical advice / attention if you feel unwell or are concerned.

Skin contact Rinse skin with lukewarm, gently flowing water / shower for 5 minutes or until product is removed. If skin irritation occurs or if you feel unwell: Get medical advice / attention.

Eye contact Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15 to 20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice / attention.

Most important symptoms and effects, both acute and delayed

Inhalation May cause respiratory irritation.

Ingestion May cause discomfort or nausea.

Skin contact Not irritating to skin.

Eye contact Causes serious eye irritation.

Further information For further information see Section 11 Toxicological Information.

Section 05 Fire Fighting Measures

Suitable extinguishing media Extinguish fire using extinguishing agents suitable for the surrounding fire.

Unsuitable extinguishing media Water jets are not recommended in fires involving chemicals.

Specific hazards arising from the chemical May form combustible dust concentrations in air. Reacts with many metals to liberate hydrogen gas that can form explosive mixtures. In the event of a fire oxides of carbon may be released. Thermal decomposition occurs at 175 °C. Finely powdered citric acid anhydrous may form flammable or explosive mixtures with air at 500 mg of citric acid per litre.

Special protective equipment for fire-fighters Wear NIOSH-approved self-contained breathing apparatus and chemical-protective clothing.

Section 06 Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment (See Section 08 Exposure Controls and Personal Protection). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Stay upwind, ventilate area.
Environmental Precautions	Prevent material from entering waterways, sewers or confined spaces. Notify local health and wildlife officials. Notify operators of nearby water intakes.
Methods and Materials for Containment and Cleaning Up	Dry sweeping is not recommended. Pre-dampening the material or use of a vacuum is preferred. Shovel into clean, dry, labeled containers and cover. Flush area with water.

Section 07 Handling and Storage

Precautions for Safe Handling	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Inspect containers for damage or leaks before handling. If the original label is damaged or missing replace with a workplace label. Have suitable emergency equipment for fires, spills and leaks readily available.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area, away from heat sources and incompatible materials. Always store in original labeled container. Keep containers tightly closed when not in use and when empty. Empty containers may contain hazardous residues. Protect label and keep it visible.
Incompatibilities	Bases, such as potassium hydroxide, sodium hydroxide, calcium hydroxide (slaked lime), ammonia, carbonates. Oxidizing agents, such as oxygen, hydrogen peroxide, sulphuric and nitric acids, hypochlorites and permanganates. Reducing agents, such as hydrogen, sodium borohydride, sulphur dioxide, thiosulphates, hydrazine, phosphites, carbon, and oxalic, formic and ascorbic acid. Metals, such as aluminum, copper, and zinc.

Section 08 Exposure Controls and Personal Protection

Exposure limits

There are no known exposure limits for this product.

Engineering controls

Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
Other	An eye wash bottle or eye wash station should be available, tested, and be in close proximity to the product being handled in accordance with provincial regulations.

Protective equipment

The following are recommendations only. It is the responsibility of the employer / user to conduct a hazard assessment of the process in which this product being used and determine the proper engineering controls and PPE for their process. Additional regulatory and safety information should be sought from local authorities and, if needed, a professional industrial hygienist.

Eye and face protection	Where there is potential eye or face exposure, tightly fitting chemical goggles are recommended. Contact lenses are not recommended; they may contribute to severe eye injury.
--------------------------------	--

Safety Data Sheet

Citric Acid Anhydrous
ClearTech Industries Inc

Hand and body protection	Where handling this product it is recommended that skin contact is avoided.
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Thermal hazards	Not available

Section 09 Physical and Chemical Properties

Appearance

Physical state	Solid
Colour	White
Odour	Odourless
Odour threshold	Not applicable

Property

pH	2.2 @ 1%
Melting point / freezing point	153 °C
Initial boiling point and boiling range	Decomposes
Flash point	Not applicable
Evaporation rate	Not available
Flammability	Finely powdered citric acid anhydrous may form flammable or explosive mixtures with air at 500 mg of citric acid per litre.
Upper flammable limit	Not available
Lower flammable limit	Not available
Vapour pressure	2.21×10^{-6} Pa
Vapour density	Not available
Relative density	1.54-1.665 g/cm ³
Solubility	590 g/L @ 20 °C in water
Partition coefficient: n-octanol/water	Log Kow: -0.2 to -1.8
Auto-ignition temperature	1010 °C
Decomposition temperature	175 °C
Viscosity	Not applicable
Specific gravity	Not applicable
Particle characteristics	Particle size: For 30-80 Mesh: 95% of particles are 125-595 microns Particle shape: Crystals or granules
Formula	C ₆ H ₈ O ₇
Molecular weight	192.027 g/mol

Section 10 Stability and Reactivity

Reactivity	Reacts with many metals to liberate hydrogen gas that can form explosive mixtures. Reacts violently with bases.
Stability	This product is stable if stored according to the recommendations in Section 07.
Possibility of hazardous reactions	Hazardous polymerization is not known to occur.
Conditions to avoid	Avoid contact with incompatible materials. Do not heat.

Safety Data Sheet

Citric Acid Anhydrous
ClearTech Industries Inc

Incompatible materials	Bases, such as potassium hydroxide, sodium hydroxide, calcium hydroxide (slaked lime), ammonia, carbonates. Oxidizing agents, such as oxygen, hydrogen peroxide, sulphuric and nitric acids, hypochlorites and permanganates. Reducing agents, such as hydrogen, sodium borohydride, sulphur dioxide, thiosulphates, hydrazine, phosphites, carbon, and oxalic, formic and ascorbic acid. Metals, such as aluminum, copper, and zinc.
Hazardous decomposition products	Thermal decomposition may produce oxides of carbon. Thermal decomposition occurs at 175 °C.

Section 11 Toxicological Information

Acute Toxicity (LD50 / LC50 values)

Component	Route	Species	Value	Exposure time
citric acid	Oral	mouse	5400 mg/kg	
	Dermal	rat	>2000 mg/kg	24 hours

Toxic Health Effect Summary

Chemical characteristics	Citric acid is a metabolic intermediate vital to the TCA respiration pathway found in all animal and plant cells. There is little evidence that citric acid and the citrate salts have deleterious effects, even in large doses. Indeed there is some support for the fact that citric acid in the human diet is favourable by inhibiting the formation of calcium oxalate kidney and bladder stones. This statement is applicable to the citrate salts since once absorbed citrate salts will dissociate into citric acid and their counter-ion.
Skin	Not irritating to skin. Not irritating to skin.
Ingestion	May cause discomfort or nausea.
Inhalation	May cause respiratory irritation.
Eye contact	Causes serious eye irritation.
Sensitization	This product and its components at their listed concentration have no known sensitizing effects.
Mutagenicity	This product and its components at their listed concentration have no known mutagenic effects.
Carcinogenicity	This product and its components at their listed concentration have no known carcinogenic effects.
Reproductive toxicity	This product and its components at their listed concentration have no known reproductive effects.
Specific organ toxicity	This product and its components at their listed concentration have no known effects on specific organs.
Aspiration hazard	Not available
Synergistic materials	Not available

Section 12 Ecological Information

Ecotoxicity

Component	Type	Species	Value	Exposure Time
Citric acid	LC50	Leuciscus idus melanotus	440 mg/L	48 hours
	EC50	Daphnia magna	1535 mg/L	24 hours

Biodegradability	The domestic substance list categorizes citric acid as non-persistent.
-------------------------	--

Safety Data Sheet

Citric Acid Anhydrous
ClearTech Industries Inc

Bioaccumulation	The domestic substance list categorizes citric acid as non-bioaccumulative.
Mobility	This product is water soluble, is not predicted to adsorb to soil and may contaminate ground water.
Other adverse effects	Not available

Section 13 Disposal Considerations

Waste From Residues / Unused Products	Dispose in accordance with all federal, provincial, and local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Do not remove label, follow label warnings even after the container is empty. Empty containers should be recycled or disposed of at an approved waste handling facility.

Section 14 Transport Information

UN number	This product does not meet the definition of dangerous goods per Part 2 of Transport of Dangerous Goods Regulations.
UN proper shipping name and description	Not available
Transport hazard class(es)	Not available
Packing group	Not available
Excepted quantities	Not available
Environmental hazards	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
Special precautions	No special provisions
Transport in bulk	ERAP index: not available
Additional information	MARPOL 73/78 and IBC Code: This product is not listed in Chapter 17 of the IBC Code. Secure containers (full or empty) during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 16 of this SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and published test data regarding the classification of this product are listed in the references at section 16 of this SDS.

Section 15 Regulatory Information.

NOTE: THE PRODUCT LISTED ON THIS SAFETY DATA SHEET HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN HAZARDOUS PRODUCTS REGULATIONS. THIS SAFETY DATA SHEET CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

All components of this product appear on the domestic substance list.

NSF Certification: Citric Acid Anhydrous (30-80 Mesh), NSF® - 60 and Citric Acid Anhydrous, Granular, NSF® - 60 are certified under NSF / ANSI Standard 60 for membrane cleaning and pH adjustment at a maximum dosage of: 125 mg/L. NSF product use restrictions based on requirements obtained from the NSF website; consult NSF website for current requirements.

Section 16 Other Information

Date of latest revision: January 19, 2023

Note: The responsibility to provide a safe workplace remains with the buyer / user. The buyer / user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the buyer / user to comply with all applicable laws and regulations regarding handling, using, reselling and shipping this product.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the RDC Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

- 1) NIOSH Pocket Guide to Chemical Hazards
- 2) WorkSafe BC E-Limit
- 3) ECHA - Registered Substance Dossier
- 4) Transportation of Dangerous Goods Canada
- 5) Globally Harmonized System of Classification and Labelling of Chemicals (GHS) *Seventh revised edition*
- 6) International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) 2007 Edition
- 7) The ACS Style Guide



Citric Acid Anhydrous, Granular, NSF® - 60 Technical Data Sheet

Product Code**CITA08; CITA3080MESH03****Physical & Chemical Data:**

Chemical Name

1,2,3-Propanetricarboxylic acid, 2-hydroxy-

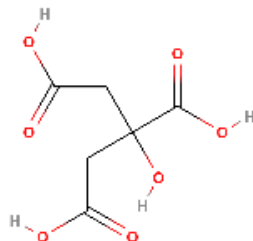
IUPAC Name

2-hydroxypropane-1,2,3-tricarboxylic acid

CAS Number

77-92-9

Molecular Formula



Molar Mass

192.12 g/mol

Appearance

Transparent, colourless to pale yellow liquid

Product Specification:*Certified to NSF/ANSI/CAN Std 60 for use in drinking water systems as a membrane cleaner.**Product is Kosher and non-GMO certified.**Meets FCC and USP standards for citric acid.*

Citric Acid	99.5-100.5%
Moisture	≤0.5%
Oxalate [(CO ₂ H) ₂]	≤100 mg/kg
Sulphate	≤150 ppm
Residue on Ignition	≤0.05%
Heavy Metals	≤10 ppm
Arsenic (As)	≤1.0 mg/kg
Lead (Pb)	≤0.5 mg/kg
Mercury (Hg)	≤1.0 mg/kg
Aluminum (Al)	≤0.2 ppm
Bacterial Endotoxins	≤0.5 IU/mg
Calcium (Ca)	≤200 ppm
Iron (Fe)	≤50 ppm
Chloride (Cl)	≤50 ppm

The information provided is believed to be accurate and reliable, but is offered without warranty of any kind. It is intended for use by individuals with appropriate technical expertise, who assume full responsibility for its application. ClearTech accepts no liability for loss or damage resulting from the use or reliance on this information. The Safety Data Sheet (SDS) should be consulted for safety and product handling information.

Date of latest revision: October 10, 2025



المجلس الإسلامي الأمريكي للغذاء و التغذية

THE ISLAMIC FOOD AND NUTRITION COUNCIL OF AMERICA

IFANCA HALAL PRODUCT CERTIFICATE شهادة حلال

This is to certify that the following product(s) have been produced under the supervision of the Islamic Food and Nutrition Council of America (IFANCA). The production facility as well as component ingredients have been reviewed and approved. The product(s) are in compliance with the halal requirements under Islamic laws.

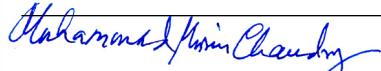
Date: **March 21, 2025**

Document #: **1444.13046.II250019**

Company Name & Address: **RZBC (Juxian) Co., Ltd.** No. 209, Laiyang Road, Juxian Economic Development Zone,, Rizhao, Shandong 276500 China

Plant Name & Address: **RZBC (Juxian) Co., Ltd.** No. 209, Laiyang Road, Juxian Economic Development Zone,, Rizhao, Shandong 276500 China

Product Name	Product Code	Halal-ID	Product Certificate #
1. CITRIC ACID ANHYDROUS	CAA	C21090	HC-25RZ6R94
2. CITRIC ACID MONOHYDRATE	CAM	C21091	HC-25RZ6X97
3. MAGNESIUM CITRATE	TMC	D79937	HC-25RZ6J95
4. TRICALCIUM CITRATE	TCC	B52891	HC-25RZDP98
5. TRIPOTASSIUM CITRATE	TPC	A69493	HC-25RZ6996
6. TRISODIUM CITRATE	TSC	A40547	HC-25RZ2J92
7. ZINC CITRATE	TZC	D79938	HC-25RZ6393


Muhammad Munir Chaudry, Ph.D.
President



This Certificate is valid until **March 31, 2027** and subject to renewal at that time.





High Brix Manufacturing Inc.
Attn: Greg Moline
25147 Township Road 490
Leduc County, AB T4X 2N4

September 11, 2026

Dear Mr. Moline,

Thank you for applying for organic input material approval with the Centre for Systems Integration (CSI). We have completed our review of the inspection report submitted for approval of your input material(s).

Please note that if you make any changes to your operation over the course of the year, you must amend your application and submit the changes to CSI for review.

Congratulations on achieving approval of your input. Your product list and attestation of compliance are enclosed.

Yours truly,

Jennifer Scott
Manager of Client Programs



Attestation Number: 8034-INP-26

Initial Effective Date: 11-Sep-2026

Attestation Expiry Date: 31-Mar-2027

Attestation of Input Compliance

This attestation is based on the compliance of products which are approved for use in organic production, at the discretion of the operator's certification body, with the national organic standards of Canada CAN/CGSB-32.310 and 32.311.

This attestation expires on the date noted above or until it is suspended or cancelled by the Centre for Systems Integration.

High Brix Manufacturing Inc.

25147 Township Road 490

Leduc County, AB, T4X 2N4, Canada.

This attestation confirms the compliance of the products as per the attached list.

Input Supplier #: 8034-INP

A handwritten signature in blue ink, appearing to read 'Ryan W. K.', is written over a horizontal line.

Signature of CSI Representative

11-Sep-2026

Issue Date

Certification Body:

The Centre for Systems Integration (CSI)*
85 Albert Street, Suite 1100
Ottawa, Ontario, Canada K1P 6A4
1-800-516-3300

* A division of Seeds Canada



Input Supplier: High Brix Manufacturing Inc.
Input Supplier Number: 8034-INP
Attestation Number: 8034-INP-26
Issue Date: 11-Sep-2026

LIST OF PRODUCTS APPROVED FOR USE IN ORGANIC PRODUCTION

An operator intending to use any product listed below as approved for use in organic production under the Canadian organic standards, CAN/CGSB-32.310 and CAN/CGSB-32.311, must verify with their certification body that the product is acceptable for use prior to incorporation into the organic system plan.

PRODUCT	Intended use (CF=crop fertility; CP=crop protection; LF=Livestock feed; LH=Livestock healthcare; P=Processing input)	BRAND NAME	RESTRICTIONS
GSR Calcium (DORMANT)	CF	Soil Works LLC	
GSR Calcium (GROW)	CF	Soil Works LLC	
Micronized Soft Rock Phosphate	CF	High Brix Manufacturing	
Zumzil	CF	Terra Tech Intl.	

Packaged by High Brix Manufacturing Inc
25147 TOWNSHIP ROAD 490, LEDUC COUNTY, AB - T4X 2N4

Micronized
SOFT ROCK

Micronized
SOFT ROCK

Micronized SOFT ROCK



Micronized
SOFT ROCK

Lot #
Batch

Net Weight:
25 kg (55lbs)

Guaranteed Analysis:
0 - 3 - 0

Water Soluble Soft Rock Phosphorous
– micronized to < 20 microns.

Directions

General Application Instructions:
Micronized Soft Rock can be applied by all normal methods including any type of conventional fertilizer-grade irrigation system including: sprinkler and injectors, spray rigs, and most drip systems.

General Application rates:
Apply at least one pound mixed into 3 gallons of clean water. Can be reapplied 2 – 3 times per year. Recommended yearly application of 7 – 12 pounds or more per year. Post harvest application is recommended as well.

Direct Soil Application: Mix 3 – 5 pounds of product per acre with minimum 10 gallons of water
Foliar Application – Mix 1 – 3 pounds of product per acre with minimum 10 gallons of water.
Spray during the coolest part of the day.

Overhead irrigation: Mix 3 – 5 pounds of product per acre into minimum 10 gallons of water and agitate until mixture is applied. Product will settle out if left not agitated.

Seedlings and transplants: Dip plants in solution of 1 pound of product in 3 – 5 gallons of water. Then plant.

Seed Application: Mix 1 pound of product with 2 gallons of water and apply to approximately 25 bushels of seed. Take care to ensure seeds do not become too moist.

Compost nutrition builder: mix into compost material at a rate of 15 parts of material with 1 part product. Compost as usual.

Precautions:

Avoid prolonged exposure to skin.
Wash with mild soap and water after use.
If product spills, protect from entrance into waterways, rivers and lakes.
Sweep up spilled product and dispose according to local regulations.
Use of mask is advised when working with this product.



Packaged by High Brix Manufacturing Inc
25147 TOWNSHIP ROAD 490, LEDUC COUNTY, AB - T4X 2N4

Micronized
SOFT ROCK

MATERIAL SAFETY DATA SHEET

Micronized Soft Rock

EMERGENCY CALL 911 or CANUTEC: 1-(613) 996-6666 or * 666 on cell phones

Section 1: Product Information

Manufacturers name and Address:

High Brix Manufacturing Inc.
25147 TWP 490
Leduc County, Alberta, T4X 2N4

Trade Name: Micronized Soft Rock

Synonyms: Phosphate Rock (minerals rock); apatite rock deposit; soft rock phosphate; organic rock phosphate.

In case of emergency call 911 or Canutec: 1 (613) 996-6666 or *666 on your cell phone

2. Hazardous Ingredients

Component	CAS No.	%	Exposure Limits	Hazard
Not Applicable				

3. Physical Data

-Boiling Point: N/A
-Freezing Point: Decomposes
-Vapour Pressure: N/A

-Vapour Density: N/A
-Evaporation Rate: N/A
-Appearance and Odour: Brown powdered rock

4. Fire and Explosion Hazard Data

Flammable Limits in air(upper):No Data
Flammable Limits in air(lower):No Data

Flash Point (Degrees F):
Means of extinction: Use water, CO2, dry chemical foam

Unusual Fire and Explosion Hazards: Avoid production in a dusty area where there is electrical or local burning.

5. Reactivity Data

Stability: Very Stable when dry

Conditions of reactivity: Temperatures in excess of 150 degrees C.

Materials to avoid: Bases and Hypochlorite's

Hazardous Decomposition Products: Ammonia, Carbon Monoxide, Cyanuric Acid and sulphur dioxide.

6. Toxicology Properties

Avoid contact with eyes, mouth or excess dust in ear cavities. May also cause irritation to skin upon contact. Also can cause lung damage, if dust is consumed on a regular basis due to the silica content.

Carcinogenicity: None of the materials are carcinogens.

7. Preventive Measures

Control measures: Ventilate to control dust.

Respiratory Protection: A NIOSH or MSHA approved respirator should be worn when dust levels exceed 15 mg/m3

Protective Clothing: Normal clothing or coveralls, rubber gloves.

Eye Protection: Wear Safety glasses or goggles to avoid eye contact.

Spill or Leak Precautions: Sweep, shovel or vacuum into sealable waste containers. Flush area with plenty of water. Prevent contamination of sewers, streams, lakes, ponds and domestic waterways.

Waste Disposal: Dispose of in accordance with local, provincial and federal regulations. Return recovered material to manufacturer for recycling or reprocessing.

Storage and Handling Precautions: Keep out of reach of children. Store in a dry place. Do not store with seeds or foodstuffs. Avoid direct and prolonged contact with skin.

8. First Aid Measures

Primary Route of Exposure: Skin or eye contact, inhalation.

If inhaled: Move victim to fresh air.

In case of eye contact: Flush immediately with large amounts of water for 15 minutes. Seek attention if irradiation persists.

In case of skin contact: Wash with soap and water. Flush affected areas with large amount of cold water. Contaminated clothing should be washed.

If Swallowed: Signs and symptoms: Excess ingestions must occur before any health hazard results.

Effects of overexposure may include nausea, vomiting, diarrhea, weakness or convulsions. Treatment:

For large amounts, seek medical attention.

9. Preparation Date

Cindy Moline, High Brix Manufacturing 1-306-747-4744 2021-01-25

MATERIAL SAFETY DATA SHEET

3/8 Grind Soft Rock

EMERGENCY CALL 911 or CANUTEC: 1-(613) 996-6666 or * 666 on cell phones

Section 1: Product Information

Manufacturers name and Address:

High Brix Manufacturing Inc.
25147 TWP 490
Leduc County, Alberta, T4X 2N4

Trade Name: Micronized Soft Rock

Synonyms: Phosphate Rock (minerals rock); apatite rock deposit; soft rock phosphate; organic rock phosphate.

In case of emergency call 911 or Canutec: 1 (613) 996-6666 or *666 on your cell phone

2. Hazardous Ingredients

Component	CAS No.	%	Exposure Limits	Hazard
Not Applicable				

3. Physical Data

-Boiling Point: N/A

-Freezing Point: Decomposes

-Vapour Pressure: N/A

-Vapour Density: N/A

-Evaporation Rate: N/A

-Appearance and Odour: Brown powdered rock

4. Fire and Explosion Hazard Data

Flammable Limits in air(upper):No Data

Flammable Limits in air(lower):No Data

Flash Point (Degrees F):

Means of extinction: Use water, CO2, dry chemical foam

Unusual Fire and Explosion Hazards: Avoid production in a dusty area where there is electrical or local burning.

5. Reactivity Data

Stability: Very Stable when dry

Conditions of reactivity: Temperatures in excess of 150 degrees C.

Materials to avoid: Bases and Hypochlorite's

Hazardous Decomposition Products: Ammonia, Carbon Monoxide, Cyanuric Acid and sulphur dioxide.

6. Toxicology Properties

Avoid contact with eyes, mouth or excess dust in ear cavities. May also cause irritation to skin upon contact. Also can cause lung damage, if dust is consumed on a regular basis due to the silica content.

Carcinogenicity: None of the materials are carcinogens.

7. Preventive Measures

Control measures: Ventilate to control dust.

Respiratory Protection: A NIOSH or MSHA approved respirator should be worn when dust levels exceed 15 mg/m3

Protective Clothing: Normal clothing or coveralls, rubber gloves.

Eye Protection: Wear Safety glasses or goggles to avoid eye contact.

Spill or Leak Precautions: Sweep, shovel or vacuum into sealable waste containers. Flush area with plenty of water. Prevent contamination of sewers, streams, lakes, ponds and domestic waterways.

Waste Disposal: Dispose of in accordance with local, provincial and federal regulations. Return recovered material to manufacturer for recycling or reprocessing.

Storage and Handling Precautions: Keep out of reach of children. Store in a dry place. Do not store with seeds or foodstuffs. Avoid direct and prolonged contact with skin.

8. First Aid Measures

Primary Route of Exposure: Skin or eye contact, inhalation.

If inhaled: Move victim to fresh air.

In case of eye contact: Flush immediately with large amounts of water for 15 minutes. Seek attention if irradiation persists.

In case of skin contact: Wash with soap and water. Flush affected areas with large amount of cold water. Contaminated clothing should be washed.

If Swallowed: Signs and symptoms: Excess ingestions must occur before any health hazard results.

Effects of overexposure may include nausea, vomiting, diarrhea, weakness or convulsions. Treatment:

For large amounts, seek medical attention.

9. Preparation Date

Cindy Moline , High Brix Manufacturing 1-306-747-4744 2021-01-23