

Guidance Document- Preparation & Handling CAN/CGSB-32.310 & 32.311

Preamble:

This guidance document is a publically available document issued by Getcert Pvt. Ltd. Based on CAN/CGSB- 32.310- 2020 “Organic Production Systems- General Principles and Management Standards” and CAN/CGSB- 32.311- 2020 “Organic Production System- Permitted Substances Lists”. This document provides basic guidance about the Preparation (Processing) and Handling requirements of organic products as cited in CAN/CGSB- 32.310 and relevant sections of CAN/CGSB- 32.311.

This is to declare that Getcert Pvt. Ltd. do not make any claims about the ownership of CAN/CGSB- 32.310- 2020; “Organic Production Systems- General Principles and Management Standards”; and CAN/CGSB- 32.311- 2020 “Organic Production System- Permitted Substances Lists”.

The purpose of this guidance document is to provide basic guidelines to the users, applicants, certified operations and other significantly interested parties; about the standard requirements. In any case these guidelines (*GD (P&H) CAN/CGSB- 32.310 and 32.311*) shall not supersede or replace the requirements of the standard (*CAN/CGSB- 32.310- 2020; “Organic Production Systems- General Principles and Management Standards”; CAN/CGSB- 32.311- 2020 “Organic Production System- Permitted Substances Lists*). For the purpose of conducting audit, taking certification decision or in event of any appeal, dispute or legal proceedings of any kind related to the certification, the requirements as cited in the standard (*CAN/CGSB- 32.310- 2020; “Organic Production Systems- General Principles and Management Standards” and CAN/CGSB- 32.311- 2020 “Organic Production System- Permitted Substances Lists*) shall prevail.

The use of this guidance document (*GD (P&H) CAN/CGSB- 32.310 and 32.311*) is voluntary and is not mandatory for the users. Any claim shall not be made by any significantly party based on the guidance document (*GD (P&H) CAN/CGSB- 32.310-2020*).

This guidance document (*GD (P&H) CAN/CGSB- 32.310 and 32.311*) shall always be read with the certification standard (*CAN/CGSB- 32.310- 2020; “Organic Production Systems- General Principles and Management Standards” and CAN/CGSB- 32.311- 2020 “Organic Production System- Permitted Substances Lists*) in it’s most recent version. In case of any differences, gaps or doubts in the requirements, always and every time the requirements as cited in the standard (*CAN/CGSB- 32.310- 2020; “Organic Production Systems- General Principles and Management Standards” and CAN/CGSB- 32.311- 2020 “Organic Production System- Permitted Substances Lists*) shall prevail.

General principles of organic production:

Principle of health – Organic agriculture should sustain and enhance the health of soil, plants, animals, humans and the planet as one and indivisible.

Principle of ecology – Organic agriculture should be based on living ecological systems and cycles, work with them, emulate them and help sustain them.

Principle of care – Organic agriculture should be managed in a precautionary and responsible manner to protect the health and well-being of current and future generations and the environment.

Principle of fairness – Organic agriculture should build on relationships that ensure fairness with regard to the common environment and life opportunities.

Organic Practices:

Please refer 0.3 General Practices of CAN/CGSB- 32.310-2020.

1. Scope:

1.1 What can be certified – *(please refer 1.1 of CAB/CGSB- 32.310 for more details)*

- a. Unprocessed plants and plant products, livestock and livestock products,;
- b. Processed agricultural crop and livestock products intended for human consumption or use and derived from the items mentioned in 1.1 a);
- c. Livestock feed;
- d. Processed agricultural crop and livestock products intended for animal consumption or use and derived from the items mentioned in 1.1 a).

1.2 Organic products shall be derived from the production system that-

- a. seeks to nurture ecosystems through its management practices in order to achieve sustainable productivity;
- b. provides control of pests including insects, weeds and disease through enhancement of biodiversity, recycling of plant and animal residues, crop selection and rotation, water management, tillage and cultivation.

1.3 Units and measures:

Quantities and dimensions in this standard are given in metric units with yard/pound equivalents, mostly obtained through soft conversion, given in parentheses. The metric units shall be regarded as being official in the event of dispute or unforeseen difficulty arising from the conversion.

1.4 Prohibited materials and techniques in organic production preparation *(please refer 1.4 of CAB/CGSB- 32.310 for more details)*

- a. GM products/ material or products/ materials resulting from genetic engineering (GE), as specified in 4.1.3, 5.1.2 and 6.2.1 of CAN/CGSB-32.311;
- b. all products, materials or processes intentionally using nanotechnology, (exceptions: naturally occurring nano-sized particles or those produced incidentally through processes such as grinding flour and contact surfaces, such as equipment, work surfaces or packaging, where transference of nano-sized particles to organic crops, livestock or products is unintended and unlikely to occur);
- c. irradiation treatment, except as specified in CAN/CGSB-32.311.
- d. cloned livestock and its descendants;

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- e. equipment, harvest and storage containers, storage facilities and packaging materials treated with fungicides, preservatives, fumigants and pesticides not listed in CAN/CGSB-32.311, except as permitted in 8.2.3 and 8.3.3 of CAN/CGSB-32.310.

1.5 Prohibited substances in organic production preparation: *(please refer 1.5 of CAB/CGSB- 32.310 for more details)*

Following products/ substances are prohibited in organic production and preparation.

- a. soil amendments, such as fertilizer or composted plant and animal material, that contain a substance not listed in CAN/CGSB-32.311;
- b. sewage sludge;
- c. any crop production aids or substances not listed in CAN/CGSB-32.311;
- d. plant, fungal and animal growth regulators, except as specified in CAN/CGSB-32.311;
- e. veterinary drugs, including antibiotics and parasiticides, except as permitted by this standard;
- f. non-organic ingredients, food additives and processing aids used in organic product preparation, including sulphates, sulphites, nitrates and nitrites, except as permitted by this standard or specified in CAN/CGSB-32.311;
- g. formulants except as specified in CAN/CGSB-32.311;

2. Normative references *(Please refer 2 of CAN/CGSB- 32.310 for more details).*

2.1 **CAN/CGSB- 32.310-** Organic production systems- General principles and management standards;

2.2 **CAN/CGSB-32.311** – Organic production systems – Permitted substances lists;

2.3 **CAN/CGSB-32.312** – Organic production systems: Aquaculture—General principles, management standards and permitted substances lists.

2.4 **Part 13 of SFCR** (Safe food for Canadians Regulation)

3. Terms and Definitions

Please refer “3- Terms and Definitions” of CAN/CGSB-32.310 *for more details*

4. Organic Plan *(please refer 4 of CAB/CGSB- 32.310 for more details)*

4.1 The operator shall disclose and mention all the management practices outlining the details of transition, production, preparation, handling, storage and transport in the form of organic plan and submit the same to the CB.

4.2 In case of any changes that significantly have effect on the product, production system, management practices shall be updated in the organic plan and submitted to the CB.

4.3 The organic plan shall be updated annually to address changes to the plan or management system, problems encountered in executing the plan, and measures taken to overcome such problems.

4.4 The organic plan shall include a description of the internal record-keeping system, documented traceability requirements as specified in 4.4.2 and other record-keeping requirements.

4.5 Record keeping and identification *(please refer 4.4 of CAB/CGSB- 32.310 for more details)*

4.5.1 The operator shall maintain records of all operating along with necessary supporting documents such as-

- a. visual aids (e.g. maps, work flow charts, designated areas, farm maps, layout diagrams, organization charts etc.)
- b. list of the the inputs along with it’s origine, supply, quantities and locations of use,
- c. records of production and preparation, handling, transportation operations for organic crops, livestock and products.

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- d. The operator shall maintain organic integrity of organic product at all levels of operations. The operator shall fully disclose all the records and transactions in sufficient details along with supporting documentation in order to demonstrate compliance with the standard.
- 4.5.2 Such records shall make it possible to trace-
 - a. the origin, nature and quantity of organic products received at the production unit or operation;
 - b. the nature, quantity of products that have left the production unit or operation along with details of buyer and/ or consignees;
 - c. the origin, nature and quantity of inputs, ingredients, additives and manufacturing aids received at the production unit,
 - d. the composition of processed products;
 - e. records of activities or processes that demonstrate compliance with this standard.
- 4.5.3 The operator shall implement identification system to identify organic crops, products, material and livestock from non-organic crops, products, material and livestock (e.g. visual signs, general appearance, colour codes, varieties and types and other suitable and easily visually distinguishable).
- 4.5.4 The operator shall identify risk from GM crops and shall design and implement plan to prevent GM contamination of the organic crops/ products (e.g. physical barriers, border rows, delayed planting, testing of seeds, isolation distances and equipment and storage sanitation protocols, separation and identification measures etc.)
- 4.5.5 The operator shall retain the records for at least 5 years from their creation.
- 4.5.6 If any pest control substance is used which is not listed in CAN/CGSB-32.311 under any mandatory government program, the operator shall monitor the same, record the locations of such use and inform the certification body about the same if such changes affect the organic product certification.

5. Product Preparation/ Processing and Handling (*please refer 8 of CAB/CGSB- 32.310 for more details*)

For organic product preparation (processing), clauses 8.1 and 8.2 of CAN/CGSB-32.310 apply.

- 6. Clause 8 focuses on maintaining organic integrity during cleaning, preparation and transportation.
- 7. Clause 8 is applicable to all the operations who produce, process, handle (including packaging and labelling), store and transport organic products. During all these operations, the operator shall maintain integrity of the organic products.

8. Maintaining organic integrity during cleaning, preparation and transportation

8.1 Maintaining Integrity (*please refer 8.1 of CAB/CGSB- 32.310 for more details*)

- 8.1.1 All surfaces (e.g. counters, containers and conveyors) that come in contact with organic food/ material shall be clean and made up of food grade quality.
- 8.1.2 The operator shall ensure that-
 - a. Hand sanitizer substances (if coming in contact with organic products), shall be listed in Table 7.3 of CAN/CGSB-32.311;
 - b. Where culinary steam (i.e. steam coming in contact with organic product or packaging) shall only contain the following-
 - i. substances listed in Tables 6.3, 6.4 or 6.5 of CAN/CGSB-32.311;

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- ii. food-grade cleaners, disinfectants and sanitizers authorized in Table 7.3 of CAN/CGSB-32.311;
 - c. Food-contact lubricants listed in Tables 6.3, 6.4 or 6.5 of CAN/CGSB-32.311;
 - d. Cleaners, disinfectants and sanitizers in compliance with the requirements in 8.2 of CAN/CGSB-32.310.
- 8.1.3 Mechanical, physical or biological processes (such as fermentation and smoking) are permitted.
- 8.1.4 The operator shall take all possible separation measures to avoid comingling of organic products at all stages of organic product handling such as processing, storage, transportation etc.
- 8.1.5 In case of parallel preparation activities (where both organic & non-organic processing is done); the operator shall ensure the following-
- a. organic and non-organic products shall not be mixed at any stage of preparation;
 - b. sufficient measures to identify organic and non-organic finished product;
 - c. record the removal events (cleaning/ sanitation) used to prevent cross-contamination of organic and non-organic production runs;
 - d. preparation of organic products shall be carried out continuously until the run is complete;
 - e. organic processing shall be separated by place or time from similar processing of non-organic products;
 - f. organic processing shall be planned in advance to prevent comingling; and
 - g. following measures shall be taken to avoid accidental comingling of organic seeds or grains with non-organic seeds or grains stored in bulk quantities and which may contain GMO.
 - i. Organic storage bins shall be well labelled (weather resistant signage) and identifiable visually;
 - ii. While transportation from one unit to other, the organic crops/ grains shall be transported in well labelled (weather resistant signage) vehicles for easy identification;
 - iii. When organic crops are stored in bulk bins for drying or roasting, temporary labelling shall be attached to the bin to visibly identify the contents as organic
- 8.1.6 Organic packing material shall-
- a. maintain quality and integrity of organic product;
 - b. not harm the environment throughout its life cycle;
 - c. shall not be a result/ product of nanotechnology;
 - d. shall not be treated with any prohibited or disallowed substances not listed in CAN/CGSB- 32.311 (exception as permitted in 8.2.3 and 8.3.3 of CAN/CGSB-32.310.
- 8.2 Cleaning, disinfecting and sanitizing** (*please refer 8.2 of CAN/CGSB- 32.310 for more details*)
- 8.2.1 Food-grade cleaners, disinfectants and sanitizers listed in Table 7.3 of CAN/CGSB-32.311 may be used as annotated:
- a. On organic product contact surfaces (e.g. equipment, storage and transport units etc.);
 - b. In direct contact with organic products.
- 8.2.2 When cleaners, disinfectants and sanitizers listed in Table 7.4 of CAN/CGSB-32.311 are used on organic product contact surfaces, the operator shall maintain records that:

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- a. Such substances are used as annotated; and
 - b. removal events (cleaning and sanitation) have eliminated the substance(s) from organic product contact surfaces prior to organic production.
- 8.2.3 Operator may use other cleaners, disinfectants or sanitizers on organic product contact surfaces when the substances in Tables 7.3 and 7.4 are ineffective, provided that records of the following are maintained:
- a. the efficacy of the alternative substance(s);
 - b. removal event(s) have eliminated the alternative substance(s) from organic product contact surfaces prior to organic production;
 - c. that effluent discharge was neutralized to minimize the negative impact on the environment.
- 8.3 Facility pest management and post-harvest management** *(please refer 8.3 of CAB/CGSB-32.310 for more details)*
- 8.3.1 Preventive measures shall be adopted to control pest, such as in a descending order-
- a. the removal of pest habitat and food;
 - b. preventing access to pest and controlled environment (for example, light, temperature and atmosphere), to prevent pest intrusion and reproduction;
 - c. mechanical and physical methods, such as traps;
 - d. lures and repellents, as listed in Table 8.2 of CAN/CGSB-32.311.
- 8.3.2 The operator may use pest control substances listed in Table 8.2 of CAN/CGSB-32.311 when the preventive measures given in in 8.3.1 above are ineffective. The operator shall record the target pests, substances used, start and end dates, and the location(s) of pest control where such substances are used.
- 8.3.3 When the measures given in 8.3.2 above are ineffective, the operator may use other substances not listed in Table 8.2 of CAN/CGSB-32.311. The operator shall ensure that when such pest control practices are conducted, the integrity of organic product and packing material is maintained. The operator shall also ensure that when using such substances in indoor facilities, the organic product or packing material is not stored in the same facility. The operator shall maintain the records of the following-
- a. why permitted substances were not suitable or ineffective for pest management;
 - b. how contact of organic products with unlisted substances was avoided;
 - c. all activities involved in the use, storage and disposal of such unlisted pest control substances.
- 8.3.4 In case of mandatory application of any prohibited substance (not listed in Table 8.2 of CAN/CGSB-32.311) for pest control enforced by Govt. authorities; the operator shall monitor and document such activities. Such information shall be disclosed to the certification body by the operator.
- 8.3.5 Substances in Table 8.3 of CAN/CGSB-32.311 may be used for post-harvest storage.
- 8.4 Transportation** *(please refer 8.4 of CAB/CGSB- 32.310 for more details)*
- 8.4.1 The integrity of organic inputs, ingredients, products shall be maintained during the transport. Sufficient physical separation measures, identification measures (labelling, signage or other) and other protection methods (proper packing, covers, signage etc.) shall be implemented to avoid comingling or substitution with other non-conforming or non-organic material.
- 8.4.2 The organic product shall accompany at least following information during the transport-

- a. the name and address of the operator
 - b. the name of the product;
 - c. the organic status of the product;
 - d. lot number information and quantity of the product to ensures traceability.
 - e. place of product origin and product destination among other necessary details.
- 8.4.3 The organic product shall not be exposed pest control substances not listed in Table 8.2 of CAN/CGSB-32.311 during transport/ transit.

9. Organic Product Composition

9.1 Product Composition *(please refer 9.1 of CAB/CGSB- 32.310 for more details)*

9.1.1 Organic product formulations shall consist primarily of organic whole or processed agricultural ingredients and organic processing aids. Other permitted ingredients and processing aids, as described in Clause 9.2, shall be kept to a minimum.

9.1.2 The evaluation of product composition shall exclude non-agricultural sub-parts of ingredients listed in Tables 6.3 and 6.4 in CAN/CGSB-32.311 that have a technical or functional effect on the ingredient but not on the final organic product, and are not declared on the final organic product label. These ingredient sub-parts may be present in the final organic product but only in insignificant amounts. This includes non-agricultural sub-parts of ingredients, such as anticaking agents, carriers and fillers, preservatives, stabilizers, pH adjusters or buffers. The calculation of organic percentages shall account for all constituent ingredients or ingredient sub-parts, distinguishing between organic and non-organic components of each ingredient contained in the product.

9.1.3 Calculating % of organic ingredients in the organic product *(please refer 9.1.3 of CAB/CGSB- 32.310 for more details)*

- a. Solid products [not applicable for livestock feed] — Divide the net mass (excluding water and salt) of all organic ingredients in the formulation or finished product, whichever is more relevant, by the net mass (excluding water and salt) of all ingredients.
- b. Liquid products — Divide the fluid volume of all organic ingredients (excluding water and salt) by the fluid volume of all ingredients (excluding water and salt). If the principal display panel, specification sheet or certificate of analysis uses phrases like “reconstituted from concentrates” to describe the final product, single-strength concentrations of the ingredients or the finished product shall be used to calculate organic percentages. Any user of an ingredient, to which water or salt has been added by a prior processor, and is declared as water or salt on the ingredient declaration of the finished product is required to exclude this added water or salt when calculating organic percentages.
- c. Solid products and liquid products — Divide the combined net mass of solid organic ingredients and the net mass of liquid organic ingredients, excluding water and salt, by the total mass, excluding water and salt, of all ingredients in the finished product. Any user of an ingredient, to which water or salt has been added by a prior processor, and is declared as water or salt on the ingredient declaration of the finished product is required to exclude this added water or salt when calculating organic percentages.
- d. The percentage of all organic ingredients in an organic product shall be rounded down to the nearest whole number.

9.2 Categorization of organic products *(please refer 9.2 of CAB/CGSB- 32.310 for more details)*

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- 9.2.1 95% organic content (or more)** *(please refer 9.2.1 of CAB/CGSB- 32.310 for more details)*
- a. Such product consist of primarily at least 95% of organic whole or processed agricultural ingredients and organic processing aids.
 - b. Such products shall not contain an ingredient in both organic and non-organic form.
 - c. Such products may contain up to 5% of the following:
 - i. “ingredients classified as food additives (Tables 6.3)” and “ingredients not classified as food additives (Tables 6.4)” of CAN/CGSB-32.311, subject to annotations and restrictions specified in 6.2 of CAN/CGSB-32.311. Listed ingredients of agricultural origin shall meet the requirements in 1.4 a), 1.4 c), 1.4 d) of CAN/CGSB-32.310 and 6.2 of CAN/CGSB-32.311;
 - ii. non-organic agricultural processing aids that meet the requirements in 1.4 a), 1.4 b), 1.4 c), and 1.4 d) of CAN/CGSB-32.310, and any annotations listed in Table 6.5 of CAN/CGSB-32.311;
 - iii. non-agricultural processing aids as listed in Table 6.5 of CAN/CGSB-32.311, subject to the requirements specified in substance listing annotations;
 - iv. non-organic agricultural ingredients that meet the requirements in 1.4 a), 1.4 c) and 1.4 d) of CAN/CGSB-32.310. These ingredients are also subject to organic commercial availability requirements.
- 9.2.2 70-95% organic content** *(please refer 9.2.2 of CAB/CGSB- 32.310 for more details)*
- a. Such product consist of primarily at least 70% of organic whole or processed agricultural ingredients and organic processing aids.
 - b. Such products shall not contain an ingredient in both organic and non-organic form.
 - c. Such products may contain up to 30 % of the following:
 - i. non-organic agricultural ingredient subject to the requirements in 1.4 a), 1.4 c), and 1.4 d) of CAN/CGSB-32.310;
 - ii. “ingredients classified as food additives (Tables 6.3)” and “ingredients not classified as food additives (Tables 6.4)” of CAN/CGSB-32.311, subject to annotations and restrictions specified in 6.2 of CAN/CGSB-32.311. Listed ingredients of agricultural origin shall meet the requirements in 1.4 a), 1.4 c), 1.4 d) of CAN/CGSB-32.310 and 6.2 of CAN/CGSB-32.311;
 - iii. non-organic agricultural processing aids that meet the requirements in 1.4 a), 1.4 b), 1.4 c), and 1.4 d) of CAN/CGSB-32.310, and any annotations listed in Table 6.5 of CAN/CGSB-32.311;
 - iv. non-agricultural processing aids as listed in Table 6.5 of CAN/CGSB-32.311, subject to the requirements specified in substance listing annotations;
- 9.2.3 Categorization of organic products at a glance based on % of organic ingredients**

Summary	Categories		
	95% ^a (or more)	70-<95% ^b (or more)	<70% ^c
May not contain an ingredient in both its organic and non-organic form.	√	√	n/a
May contain up to 5% non-organic ingredients if the organic form is not commercially available.	√	n/a	n/a
May contain up to 30% non-organic ingredients.	n/a	√	n/a

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May contain less than 70% organic ingredients.	n/a	n/a	√
Non-organic ingredients both “classified as food additives” and “not classified as food additives” shall be listed in Tables 6.3 and 6.4 of CAN/CGSB-32.311, meet the specified annotations and comply with 6.2 of CAN/CGSB-32.311.	√	√	n/a
Whether listed or not in Tables 6.3 and 6.4 of CAN/CGSB-32.311, agricultural, non-organic ingredients shall meet 1.4 a), c) and d), and 6.2 of CAN/CGSB-32.311.	√	√	n/a
Non-listed agricultural, non-organic ingredients are subject to commercial availability requirements.	√	n/a	n/a
Non-organic processing aids of agricultural origin are permitted, subject to the requirements of 1.4 a), b), c), and d); and any annotations listed in Table 6.5 of CAN/CGSB-32.311.	√	√	n/a
Non-agricultural processing aids are permitted if they are listed in Table 6.5 (processing aids) of CAN/CGSB-32.311.	√	√	n/a
<p>^a Products compliant with 9.2.1 may be identified as organic.</p> <p>^b Products compliant with 9.2.2 may only declare the percentage of organic ingredients.</p> <p>^c Products with less than 70% organic content may identify which ingredients are organic in their ingredient list. For full labelling requirements refer to current regulations.</p>			

10. Organic product labelling guidelines *(please refer Part 13 of SFCR for more details)*

10.1 Any products represented as or bearing the Canadian Organic Logo, must comply with the labelling requirements of Part 13 from the Safe Food for Canadians Regulation (SFCR) in its recent version.

10.2 Only products with organic content that is greater than or equal to 95% may be labelled as: "Organic", "organically grown", "organically raised", "organically produced" or bear the Canada Organic logo. These products must be certified and the name of the Certification Body must appear on the label.

10.3 Multi-ingredient products with 70-95% organic content may have the declaration: "contains x % organic ingredients". These products may not use the organic logo and/or the claim "Organic". These products must be certified and the name of the Certification Body must appear on the label.

10.4 Multi-ingredient products with less than 70% organic content may only contain organic claims in the product's ingredient list. These products do not require certification and may not use the organic logo. However, the organic ingredients contained within these products must be certified as organic.

10.5 "100% organic" and "Made with organic" are not permitted under the SFCR.

10.6 Use of Canada Organic Logo *(please refer Part 13 of SFCR for more details)*

- a. The use of the Canada Organic Logo is voluntary.
- b. The statement "Product of" shall immediately precede the name of the country of origin or the statement "imported" is must be in close proximity to the logo on imported products which bear the Canada Organic Logo. Close proximity is generally defined as "near" or "next to each other" so that one can see them at the same time, rather than having to look at a different side of the package. Thus it would be unacceptable to indicate

that the product is imported on a different side of the package than the side where the logo is displayed.

- c. Other logos are permitted only if they are not misleading and what they represent is true.
- d. The objective, use of Canada Organic Logo for marketing, information or advertising purpose and procedure of applying and granting the use, and terms and conditions for use of Canada Organic logo is pursuant to Part 13, Division 7 of SFCR.

11. How to use CAN/CGSB-32.312- Permitted Substances List

There are several sections in the CAN/CGSB-32.311- permitted substances list. The operators shall refer the relevant section(s) as per their scope of operation(s) for the permitted substances in CAN/CGSB-32.311. The permitted substance list is classified into following sections.

- Permitted substances lists for crop production
- Permitted substances lists for livestock production
- Permitted substances lists for preparation
- Permitted substances lists for cleaners, disinfectants and sanitizers
- Facility management substances

11.1 Classification of Permitted substances lists for crop production in Table 4.2

11.1.1 Permitted substances for crop production are categorized into the following-

- a. **Soil Amendments (Column 1):** Substances used to improve soil fertility and to correct soil problems and
- b. **Production Aids (Column 2):** Substances used to control pest, disease and weed which can be applied to soil or crops.

11.1.2 The substance listed in Column 1 & 2 of Table 4.2 shall be always used as described in the table and as per the annotations.

11.1.3 The substances listed in Table 4.2 shall not use or contain the following-

- a. Prohibited materials or techniques in organic production and preparation; as mentioned in 1.4 of CAN/CGSB-32.310.
- b. Prohibited substances in organic production and preparation; as mentioned in 1.5 of CAN/CGSB-32.310.

11.1.4 For the substances produced on substrates or growth media (for example, microorganisms and gibberellic acid):

- a. if the substance includes the substrates or growth media, the ingredients of the substrates or growth media shall be listed in Table 4.2;
- b. if the substance does not include the substrates or growth media, the substance shall be produced on non-genetically engineered substrates or growth media, if commercially available.

11.2 Classification of Permitted substances lists for preparation in Table 6.3; 6.4 and 6.5

11.2.1 Permitted substances for preparation are categorized into the following according to their uses-

- a. Table 6.3: Food additives (see definition in clause 3 of CAN/CGSB-32.310);
- b. Table 6.4: Ingredients not classified as food additives;
- c. Table 6.5: Processing aids (see definition in clause 3 of CAN/CGSB-32.310).

11.2.2 The substances listed in Table 6.3; 6.4 and 6.5 shall not use or contain the following-

- c. Prohibited materials or techniques in organic production and preparation; as mentioned in 1.4 of CAN/CGSB-32.310.

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- d. Prohibited substances in organic production and preparation; as mentioned in 1.5 of CAN/CGSB-32.310.
- 11.2.3 For the substances produced on substrates or growth media (for example, microorganisms and lactic acid):
- c. if the substance includes the substrates or growth media, the ingredients of the substrates or growth media shall be listed in Table 6.3; 6.4 and 6.5;
 - d. if the substance does not include the substrates or growth media, the substance shall be produced on non-genetically engineered substrates or growth media, if commercially available.
- 11.3 **Classification of Permitted substances lists for cleaners, disinfectant and sanitizers in Table 7.3 and 7.4**
- 11.3.1 Permitted substances for cleaners, disinfectant and sanitizers are categorized into the following according to their uses-
- a. Table 7.3: food-grade cleaners, disinfectants and sanitizers permitted without a mandatory removal event;
 - b. Table 7.4: cleaners, disinfectants and sanitizers permitted on organic product contact surfaces, for which a removal event is mandatory prior to an organic production load or run.
- 11.3.2 All non-organic ingredients of the cleaners, disinfectant and sanitizers shall be listed in Tables 7.3 or 7.4.
- 11.3.3 Ingredients used without removal event shall be listed in Table 7.3.
- 11.3.4 Compounds used to treat drinking water; and product stabilisers, such as HEDP (1-hydroxyethane 1,1-diphosphonic acid) or dipicolinic acid, whose function is to prevent the chemical degradation of substances shall be listed in Table 7.3.
- 11.3.5 Table 7.4 compliant products may contain non-active ingredients, including, but not limited to, dyes, fragrances, and chemical agents used to prevent physical separation of foams or emulsions.
- 11.4 **Classification of Permitted substances lists for facility pest management in Table 8.2 and 8.3**
- 11.4.1 Permitted substances for pest management are categorized into the following according to their uses-
- a. Table 8.2: Pesticide substance which may be used in and around the facilities, as annotated and as specified in 8.3.2 of CAN/CGSB-32.310.
 - b. Table 8.3: Pesticide substances may be used in the facility as annotated to accomplish post- harvest physiological effect.