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NATIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 19630.2-2011

Replace GB/T 19630.2-2005

Organic Products-Part 2: Processing

有机产品第 2 部分：加工

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Foreword

"Organic Products" (GB/T 19630) is divided into four parts:

- Part 1: Production;
- Part 2: Processing;
- Part 3: Labeling and Marketing;
- Part 4: Management System.

This part is Part 2 of GB/T 19630.

This part was drafted according to the rules given in GB/T 1.1-2009.

This part replaces "Organic Products-Part 2: Processing" (GB/T 19630.2-2005).

Compared with GB/T 19630.2-2005, the main changes in this part are as follows:

- The scope is modified, the scope of products further and explicitly covers feed, the requirement that the application scope of organic textile is restricted to cotton and silk fiber reinforced polymers was deleted;
- "Hygienic Standard for Food Grade Salt" (GB 2721) and "Hygienic Specification for Formula Feed Enterprises" (GB/T 16764) were added in the normative references;
- Feed additives (see 3.3) were added in definitions and terms, and ion irradiation (see of 2005 edition) is deleted;
- 4.1 and 4.2 in 2005 edition were modified into 4.1 "General Rules", the following contents were supplemented or made definite: 1) the "organic completeness" of the processed products shall be kept further during from batching, processing and preventing non-organic products from being confused; 2) organic feed processing plant shall meet the requirements of GB/T 16764; 3) it shall cause no negative effect on the environment or the negative effect shall be minimized.
- The requirements of feed processing were added for ingredients, additives and processing aids (see 4.2.1.6);
- The requirements of parallel production were simplified for processing (see 4.2.2.2), and the specific requirements of top processing were deleted (see 4.4.1 of 2005 edition);
- The application requirements of sanitizers were added for injurious organism prevention and treatment (see 4.2.3.3);
- The requirements of archive record management in storage and transportation were incorporated into GB/T 19630.4 (see 4.2.6 of GB/T 19630.4-2011 and 4.7.5 and 4.8.4 of 2005 edition);
- The requirement for the time of preparing and implementing environment management improvement plan in textile processing [see 4.10.2 g) of 2005 edition] is modified, "processing plant sanitation", "injurious organisms prevention and treatment", "storage" "transportation", "packaging", and "ingredients, additives and processing aids" in textiles were deleted [see 4.10.21 of 2005 edition];
- The substances in the list "allowable food additives, additives and other substances in organic food processing" in Appendix A were arranged again, and Table A.1 "List of Food Additives" and Table A.2 "List of Processing Aids" were respectively listed

(see Appendix A);

——Appendix B "Allowable Additives Used in Organic Feed Processing" (see Appendix B) was added.

Please note that some contents of this standard may involve patents; the issuance organization of this document shall not undertake the responsibility of identifying these patents.

This standard was proposed by the Certification and Accreditation Administration of the People's Republic of China.

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The previous edition of the standard replaced by this part is:

——GB/T 19630.2-2005.

Organic Products——Part 2: Processing

有机产品 第2部分：加工

1 Scope

This part of GB/T 19630 specifies the general specification and requirements of organic processing.

This part is applicable to the whole process of processing, packaging, storage and transportation of the raw products (as raw materials), including foods, feed and textiles, produced according to GB/T 19630.1.

2 Normative References

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies. For undated references, the latest edition (including all the amendments) of the normative document applies.

GB 2721 “Hygienic Standard for Food Grade Salt”

GB 2760-2011 “National Food Safety Standard-Application Standard of Food Additives”

GB 4287 “Discharge Standard of Water Pollutants for Dyeing and Finishing of Textile Industry”

GB 5749 “Standards for Drinking Water Quality”

GB 14881 “General Hygienic Regulation for Food Enterprises”

GB/T 16764 “Hygienic Specification for Formula Feed Enterprises”

GB/T 18885 “Technical Specifications of Ecological Textiles”

GB/T 19630.1 “Organic Products-Part 1: Production”

3 Terms and Definitions

For the purpose of this standard, the following terms and definitions apply.

3.1 Ingredients

All the substances that are used during the manufacturing or processing of products and also exist (including the existence in a modified form) in the product, including additives.

3.2 Food additives

Artificially synthesized or natural substances added into foods for the purpose of improving the quality, color, smell, taste, corrosion protection, preservation and processing technology of foods.

3.3 Feed additives

A small amount of or trace of substances added during feed processing, manufacturing

and application, including nutritional feed additives and common feed additives.

3.4 Processing aids

The substances or materials (excluding equipment and wares) which are not regarded as product ingredients and only used for realizing some technology during processing, batching or treatment process.

4 Requirements

4.1 General rules

4.1.1 The processing involved in this part and the following process shall be controlled effectively to keep organic completeness of the processed products, the control is detailed in the followings:

- a) The ingredients shall mainly from the organic agriculture production system described in GB/T 19630.1, non-organic agriculture ingredients shall be avoided, unless required by laws and regulations;
- b) The nutritional ingredients and the original properties of the products shall be kept as much as possible during manufacturing process;
- c) The processing and following process of organic products shall be separated with those of non-organic products in space or time.

4.1.2 Organic products processing shall meet the requirements of relevant laws and regulations. Organic food processing plants shall meet the requirements of GB 14881, organic feed processing plants shall meet the requirements of GB/T 16764, and other organic product processing plants shall meet the relevant requirements of the nation and industrial departments.

4.1.3 Organic products processing shall cause no negative effect on the environment or minimize the negative effect.

4.2 Foods and feeds

4.2.1 Ingredients, additives and processing aids

4.2.1.1 The mass or volume of the organic ingredients of organic agriculture production system described in GB/T 19630.1 to the final product shall not be less than 95% of the total amount of the ingredients.

4.2.1.2 Where the organic ingredients fail to meet the demand, non-organic agriculture ingredients may be used, but the amount shall not be larger than 5% of the total amount of the ingredients. Whenever organic ingredients are available, non-organic ingredients shall be replaced immediately.

4.2.1.3 The same ingredient shall not contain organic, conventional or converted compositions at the same time.

4.2.1.4 The water and edible salt shall meet the requirements of GB 5749 and GB 2721 respectively, and shall not be counted as the ingredients stated in 4.2.1.1.

4.2.1.5 As for food processing, the food additives and processing aids listed in Table A.1 and

C.3.1 The following schemes shall be preferred to replace the used additives or processing aids:

- a) The crops that are produced according to the requirements of the organic certification standards as well as their processed products, which shall not be added with any other substances, e.g. the flour used as thickener or the vegetable oil used as release agent;
- b) The foods or raw materials that are produced only by mechanical or simple physical method and are from plant and animal origins, e.g., salt.

C.3.2 The second choice:

- a) The simple food ingredients that are produced by physical method or with enzyme, e.g., starch, tartrate and pectine;
- b) The products and microorganisms purified from the raw materials of non-agricultural source, e.g., acerola juice, yeast culture and other enzymes and microbiological products.

C.3.3 The following types of additives or processing aids shall not be used in the organic products:

- a) The substances having identical properties with the natural substances;
- b) The synthetic substances that are basically judged as nonnatural substances or that are the " new ingredient structure of products", e.g., acetylated crosslinked starch;
- c) The additives or processing aids that are produced by the genetic engineering methods;
- d) Synthetic dyestuffs and synthetic preservatives.

The carriers and preservatives used during the preparation of additives and processing aids shall also be considered.

References and Original Chinese Documents

[1] GB/T 19630.2-2011 The organic products Part 2: Processing.

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