

USDA Foreign Agricultural Service

# GAIN Report

Global Agricultural Information Network

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Voluntary  Public

**Date:** 11/1/2013

**GAIN Report Number:** CH13063

## China - Peoples Republic of

**Post:** Beijing

### Feed Label Standard

**Report Categories:**

FAIRS Subject Report

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**Report Highlights:**

On October 10, 2013, China's General Administration for Quality Supervision, Inspection and Quarantine (AQSIQ) published amended Feed Label Standard (GB 10648-2013), which will be effective on July 1, 2014. The Standard was notified to the World Trade Organization (WTO) on April 10, 2013 by G/TBT/N/CHN/955. Preliminary review of this Standard show some changes were made from the previous version GB 10648-1999, but these changes shall not significantly impact feed trade. The United States industry is recommended to study this Standard in particular the main technical changes in this standard Compared with GB 10648-1999 in the Forward Part, and consult with the China's importers for detailed requirements for feed label.

## **Executive Summary:**

On October 10, 2013, China's General Administration for Quality Supervision, Inspection and Quarantine (AQSIQ) published amended Feed Label Standard (GB 10648-2013), which will be effective on July 1, 2014. The Standard was notified to the World Trade Organization (WTO) on April 10, 2013 by G/TBT/N/CHN/955. Preliminary review of this Standard show some changes were made from the previous version GB 10648-1999, but these changes shall not significantly impact feed trade. The United States industry is recommended to study this Standard in particular the main technical changes in this standard Compared with GB 10648-1999 in the Forward Part, and consult with the China's importers for detailed requirements for feed label.

## **General Information:**

**BEGIN TRANSLATION**

# **NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA**

**GB 10648-2013**

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## **Feed Label**

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**Issued on: October 10, 2013**

**Implemented on: July 1, 2014**

**General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) and the Standardization Administration (SA) of the People's Republic of China**

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## Foreword

All technical contents of this standard are mandatory.

This standard was drafted according to the requirements of GB/T 1.1-2009.

This standard replaces "Feed Label" (GB 10648-1999).

*Compared with GB 10648-1999, the main technical changes in this standard are as follows:*

- *The application scope of the standard was modified (see Chapter 1).*
- *The definitions of terms like feed, feed material and feed additive were added (see Sections 3.2~3.15); the definition of medical feed additive was modified (see Section 3.18); the term and definition of "shelf life" was deleted; the "net weight" was replaced by "net content" (see Section 3.17); the indication requirements for net content were specified (see Section 5.7).*
- *Added that the contents as animal diseases prevention or treatment function shall not be indicated in the label (see Section 4.4).*
- *Added requirements that common name shall be adopted as the product name; and specified the expression methods and indication requirements of the common name of feed (see Section 5.2).*
- *Added requirements that the guaranteed analysis value of product shall meet the requirements specified in the implemented standard (see Article 5.3.1).*
- *The guaranteed analysis value of product was divided into "guaranteed analysis value of feed and feed material" and "guaranteed analysis value of feed additive"; the feed additive products were divided into "trace mineral feed additive, enzyme feed additive, microbial feed additive, mixed feed additive and other feed additive"; the guaranteed analysis value of feed and feed material and the guaranteed analysis value of feed additive were revised and supplemented; added that the guaranteed analysis value of feed materials shall be mandatory indication items in the "Catalogue of Feed Materials" were added; added that the moisture level shall not have to be indicated in label for liquid feed additive and liquid additive premix; added that the hygienic index shall be indicated for feed additive and imported feed additive which comply with company standard (see Table 1 and Table 2).*
- *Amended and supplemented the contents which shall be indicated for the composition of the material (see Section 5.4).*
- *Added requirements for indicating the proposed dosage and precautions in label for feed additive, trace mineral premix and vitamin premix (see Section 5.6).*
- *Added requirements for the production date of imported product indicated in the Chinese label shall be consistent with that indicated in the label issued in the product of origin (see Article 5.8.2).*
- *Added another expression method for "shelf life", and requirements that the shelf life indicated in the Chinese label shall be consistent with that indicated in the label issued in the product of origin (see Section 5.9).*

- *The storage conditions and methods were separately listed as an individual article (see Section 5.10).*
- *The "Production License and Product Approval Number" was replaced by the "Official Approval Permit Document" (see Section 5.11).*
- *Added special indication requirements in labeling for animal-derived feed (see Article 5.13.1), product processed based on contract (see Article 5.13.3), customized product (see Article 5.13.4), imported product (see Article 5.13.5) and transgenic product (see Article 5.13.6) .*
- *Added requirements that the label shall not be covered and all contents in the label shall be visible without unpacking (see Section 6.2).*
- *Added measurement units for the guaranteed analysis value for enzyme feed additive and microbial feed additive to Appendix A.*

This standard is under the jurisdiction of the National Feed Industry Standardization Technical Committee (SAC/T 76).

This standard is drafted by the following organizations: China Feed Industry Association and Secretariat of the National Feed Industry Standardization Technical Committee.

This standard is drafted by the following people: Wang Liwen, Sha Yusheng, Li Shenglan, Wu Yubo, Yang Qingfeng, Li Xiangming and Yan Jiangang.

This standard shall replace the following previous versions of the standard: GB 10648-1988, GB 10648-1993 and GB 10648-1999.

## **Feed Label**

### **1 Scope**

This standard specifies the basic indication principles, contents and requirements for the label of the feed additive and feed material.

This standard is applicable to commercial feed, feed additive and feed material (including imported product), excluding the raw grain feed, medical feed additive and self-made feed by animal farmers.

### **2 Normative References**

The following referenced documents are indispensable for the application of this document. For dated references, only the version with the specific date applies. For undated references, the updated version of the normative document (including any amendments) applies.

GB/T 10647 Feed Industry Terms

GB 13078 Hygienic Standard for Feed

### **3 Terms and Definitions**

The following terms and definitions specified in GB/T 10647 apply to this standard.

#### **3.1 Feed label**

It's referred to all labels or other instruction indicating the contents of feed, feed additive and feed material in

word, symbol, figure and graph.

### **3.2 Feed material**

It's referred to the feed substance derived from animal, plant, microbe or mineral for feed preparation but not belonging to feed additive.

### **3.3 Feed**

It's referred to the industrially processed feed product for animal, including the single feed, feed additive premix, concentrate feed, formula feed and supplementary concentrate.

### **3.4 Single feed**

It's referred to the feed derived from one kind of animal, plant, microbe or mineral used for feed production.

### **3.5 Feed additive premix**

It's referred to the feed prepared with two or more nutritional feed additives together with carrier or diluent according to certain proportion, including premix, trace mineral premix and vitamin premix.

### **3.6 Premix**

It's referred to the uniform mixture prepared with two or more nutritional feed additives like trace mineral, vitamin and amino acid, together with other feed additives, carriers and/or diluents, in certain proportion. Thereinto, the content of nutritional feed additives are able to meet the basic nutritional requirements of the applicable animal in the specific physiologic stage, and the dosage shall not be less than 0.1% but not higher than 10% in formula feed, supplementary concentrate and animal drinking water.

### **3.7 Vitamin premix**

It's referred to the uniform mixture prepared with two or more vitamins, as well as carrier and/or diluent in certain proportion. Thereinto, the content of vitamin shall meet the vitamin requirements of the applicable animal at the specific physiologic stage, and the dosage shall not be less than 0.1% but not higher than 10% in formula feed, supplementary concentrate or animal drinking water.

### **3.8 Trace mineral premix**

It's referred to the uniform mixture prepared with two or more trace minerals, as well as carrier and/or diluent in certain proportion. Thereinto, the content of trace mineral shall meet the trace mineral requirements of the applicable animal at the specific physiologic stage, and the dosage shall not be less than 0.1% but not higher than 10% in formula feed, supplementary concentrate or animal drinking water.

### **3.9 Concentrate feed**

It's referred to the feed mainly prepared with protein, mineral and feed additive according to certain proportion.

### **3.10 Formula feed; complete feed**

It's referred to the feed prepared with various feed materials and feed additives according to certain proportion to meet the animal nutrition requirements.

### **3.11 Supplementary concentrate**

It's referred to the feed prepared with various feed materials and feed additives according to certain proportion to meet the nutrition requirements of herbivore.

### **3.12 Feed additive**

It's referred to the minor or trace substances added during feed processing, preparation and application, including nutritional feed additives and common feed additives.

### **3.13 Feed additive blender**

It's referred to feed additive prepared with one or more feed additive(s) together with carrier or diluent according to certain proportion but not belonging to feed additive premix.

### **3.14 Official approval document**

It is a general term of certificate of new feed and new feed additive, the import registration certificate for feed and feed additives, and production license of feed and feed additive as well as the product approval number of feed additive and feed additive premix.

### **3.15 Common name**

It's referred to the product name reflecting the real property of feed, feed additive and feed material as well as meeting the requirements of relevant laws, regulations and standards.

### **3.16 Guaranteed analysis of product**

It's referred to the product composition value complying with relevant standards and obtained by specified

analysis method during within the shelf life of the product.

### 3.17 Net content

It's referred to the content quantity after removing the packaging container and other packaging materials.

### 3.18 Medical feed additive

It's referred to the premixed substances of veterinary drug mixed with carrier or diluent for prevention or treatment of animal diseases.

## 4 Basic Principles

The labeled contents shall meet the requirements of relevant national laws, regulations and standards.

The labeled contents shall be true, scientific and accurate.

The expression of labeling contents shall be popular and easy to understand; false, exaggerated or misleading expression shall not be used, and fraudulent expression shall not be used to mislead consumers.

The animal diseases prevention or treatment contents shall not be indicated in the label. If medical feed additive is added to the feed, the function of such medical feed additive may be indicated.

## 5 Basic Contents to be labeled

### 5.1 Hygienic requirements

The feed, feed additive and feed material shall meet the relevant hygienic requirements; the feed and feed material shall be indicated with "This Product is in Compliance with Hygienic Standard for Feed" to indicate that the product meets the requirements of GB 13078.

### 5.2 Product name

Common name shall be adopted as the product name.

The font style of "Feed Additive" shall be indicated for feed additive, of which the common name shall be consistent with that in the "Catalogue of Feed Additive"; the font style of "Feed Material" shall be indicated for feed material, of which the common name shall be consistent with the material name in the "Catalogue of Feed Material"; the common name of new feed, new feed additive and imported feed and feed additive shall be consistent with the name in the relevant Decree announced by the Ministry of Agriculture.

The common name of feed additive blender shall be expressed as "feed additive blender + product name or category specified in "Catalogue of Feed Additives" such as "Feed Additive Blender Ethoxy Quinoline" and "Feed Additive Blender Antioxidant". If multiple categories are involved in the product, they shall be indicated one by one; If the product category is "others", the common name of the product shall be directly indicated.

The common name of feed (except single feed) shall be expressed in any one of the following names: formula feed, concentrate feed, supplementary concentrate, premix, trace mineral premix or vitamin premix; the feeding object shall be indicated; the physical condition or processing methodology (like extruded, pellet, powder, block, liquid and floating) may be indicated before (after) the common name.

Where the common name is indicated, the product commercial name may be indicated simultaneously after the common name with its font size not greater than that of the common name.

### 5.3 Guaranteed analysis of product

The guaranteed analysis of product shall meet the requirements of the implemented standard.

The indication requirements for guaranteed analysis items of feed and feed material as shown in Table 1.

**Table 1 Indication Requirements for Guaranteed Analysis Items of Feed and Feed Material**

No.	Product category	Guaranteed analysis items	Remark
1	Formula feed	Crude protein, crude fiber, crude ash, calcium, total phosphorus, sodium chloride, moisture and amino acid.	As for aquatic product, crude fat shall be indicated while sodium oxide and calcium may not be indicated.
2	Concentrate feed	Crude protein, crude fiber, crude ash, calcium, total phosphorus, sodium oxide, moisture and amino acid.	

3	Supplementary concentrate	Crude protein, crude fiber, crude ash, calcium, total phosphorus, sodium oxide, moisture and amino acid.	
4	Premix	Trace mineral, vitamin and (or) amino acid, other effective constituent and moisture.	
5	Trace mineral premix	Trace mineral and moisture	
6	Vitamin premix	Vitamin and moisture	
7	Feed material	Compulsory indication items specified in "Contents of Feed Material".	
<p>The specific category of amino acid, vitamin and trace element in the guaranteed analysis items of No. 1~6 shall be consistent with the implemented quality standard.</p> <p>Moisture is not required to be indicated for liquid additive premix.</p>			

The indication requirements for guaranteed analysis items of feed additive as shown in Table 2.

**Table 2 Indication Requirements for Guaranteed Analysis Items of Feed Additive Product**

No.	Product category	Guaranteed analysis items of product	Remark
1	Trace mineral feed additive	Effective constituent, moisture and granularity (fineness)	It may not be indicated where there is no granularity (fineness) requirement.
2	Zymin feed additive	Effective constituent and moisture	
3	Microbial feed additive	Effective constituent and moisture	
4	Feed additive blender	Effective constituent and moisture	
5	Other feed additive	Effective constituent and moisture	
<p>The hygienic index shall be indicated for the guaranteed analysis items of feed additive and imported feed additive under company standard.</p> <p>Moisture is not required to be indicated for liquid feed additive.</p>			

#### 5.4 Material composition

The name and (or) category of main feed material and feed additive shall be indicated for formula feed, concentrate feed and supplementary concentrate; the name of feed additive, carrier and (or) diluent shall be indicated for feed additive premix and feed additive blender; the name of carrier and (or) diluent shall be indicated for feed additive adopted with carrier and (or) diluent.

The name and category of feed material shall be consistent with "Catalogue of Feed Material" while the name and category of feed additive shall be consistent with "Catalogue of Feed Additive".

If antioxidant is added to the animal-derived protein feed, vegetable fat and animal fat, the name of antioxidant shall be indicated.

#### 5.5 Number of product standard

The number of the implemented product standard shall be indicated for feed and feed additive product.

*For products subject to import registration management, the number of re-inspection report shall be indicated for the imported product; however, the above item may not be indicated for products not subject to import registration management.*

#### 5.6 Application instructions

The feeding stage shall be indicated for formula feed and supplementary concentrate; the additive proportion, proposed formulation and precautions shall be indicated for concentrate feed and premix; the proposed dosage and precautions shall be indicated for feed additive, trace mineral premix and vitamin premix.

#### 5.7 Net content

The net content of packing unit shall be indicated for packed products while the net content of transportation unit shall be indicated for canned products which are transported by vehicle.

Weight indication shall be adopted for solid products while the volume or weight indication may be adopted for liquid, semisolid or viscous products.

As for weight indication, if the net content is less than 1kg, gram (g) is adopted as the measurement unit; if the net content is greater than or equal to 1kg, kilogram (kg) is adopted as the measurement unit. As for volume indication, where the net content is less than 1L, milliliter (mL or ml) is adopted as the measurement unit; if the net content is greater than or equal to 1L, liter (L or l) is adopted as the measurement unit.

## **5.8 Production date**

**5.8.1** The specific date (Year, Month and Date) shall be indicated.

**5.8.2** *The production date indicated in the Chinese label shall be consistent with that indicated in the label issued at country of origin.*

## **5.9 Shelf life**

The shelf life shall be indicated as " \_\_ day(s) or \_\_ month(s) or \_\_ year(s)" or "the shelf life expires on “ \_\_year \_\_ month \_\_ date”.

*The shelf life indicated in the Chinese label for imported product shall be consistent with that indicated in the label issued at country of origin.*

## **5.10 Storage conditions and methods**

Storage conditions and methods shall be indicated.

## **5.11 Number of official approval document**

The number of official approval document shall be indicated for feed and feed additive product under official approval management.

## **5.12 Name and address of producer and trader**

The name, registered address, production address, post code and contact method of the producer shall be indicated for the feed and feed additive product under official approval management and shall be consistent with that in the official approval document. As for products not subject to official approval management, the name, registered address, production address, post code and contact method of the producer shall be indicated and shall be consistent with that in the Business License.

In addition to the above information, the name, address and contact method shall also be indicated for the branch company or production base of a Group Company.

As for imported product, the name of producer consistent with that in the registration certificate as well as the name, address, post code and contact method (consistent with that in the Business License) of the sales organization or agency legally registered in China shall be indicated.

## **5.13 Others**

### **5.13.1 Animal-derived feed**

The name of source animal shall be indicated for animal-derived feed.

*This product is not for ruminant animals" shall be indicated for animal-derived feed except milk and milk product.*

### **5.13.2 Feed with medical feed additive**

This product contains medical feed additive" shall be indicated in visible font under the product name.

The common name of the adopted medical feed additive shall be indicated.

The quantity of effective content, withdrawal period and precautions of medical feed additive in this product shall be indicated.

### **5.13.3 Product processed under contract**

In addition to the basic contents specified in this Chapter, the name, registered address and production license number of the entrusted company shall also be indicated.

### **5.13.4 Customized product**

**5.13.4.1** Font style of "Customized Product" shall be indicated.

In addition to the basic contents specified in this Chapter, the name, registered address and production license number of the company responsible for producing the customized product shall be indicated.

**5.13.4.3** Product approval number may not be indicated for customized product.

### **5.13.5 Imported product**

*The country or district of origin shall be indicated in Chinese for the imported product.*



### **5.13.6 Transgenic product**

*The indication of transgenic product shall meet the requirements of relevant laws and regulations.*

### **5.13.7 Other contents**

Other necessary contents to be indicated include the product batch number and the quality certification mark within the validity period.

## **6 Basic Requirements**

The printing material shall be durable, and the word, symbol, figure and graph shall be clear, visible and easy for recognition.

The label shall not be separated from the packing or covered; all contents in the label shall be visible without unpacking.

The label of canned product which is transported by vehicle shall be transmitted along with the dispatch bill.

Standard Chinese characters shall be adopted, and corresponding Chinese phonetic alphabet and other words may be adopted simultaneously.

The national legal measurement unit shall be adopted; see Appendix A for the common measurement units for guaranteed analysis of product.

One label shall be used to indicate one product only.

## **Appendix A (Informative)**

### **Common Measurement Units for Guaranteed Analysis of Product**

#### **Measurement units for guaranteed analysis of feed**

**A.1.1** The content of crude protein, crude fiber, crude fat, crude ash, total phosphorus, calcium, sodium chloride, moisture and amino acid is expressed by percentage content (%).

**A.1.2** The content of trace element is expressed by the quantity of element per kilogram (liter), such as g/kg, mg/kg, µg/kg, g/L, mg/L and µg/L.

**A.1.3** The content of medical feed additive and vitamin is expressed by the quantity of medicine or vitamin per kilogram (liter) of feed or the international unit (IU) of biological value, such as g/kg, mg/kg, µg/kg, IU/kg, g/L, mg/L, µg/L and IU/L.

#### **A.2 Measurement units for guaranteed analysis of feed additive**

**A.2.1** The content of enzyme feed additive is expressed by the active enzyme unit per kilogram (liter) or per gram (milliliter) of the product, such as U/kg, U/L, U/g and U/mL.

**A.2.2** The content of microbial feed additive is expressed by the quantity of microbe or microbial colony per kilogram (liter) or per gram (milliliter) of product, such as CFU/kg, piece/kg, CFU/L, piece/L, CFU/g, piece/g, CFU/mL and piece/mL.

**END TRANSLATION**

