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Prepared By: FAS China Staff

Approved By: Adam Branson

Report Highlights:

On December 20, 2024, the People's Republic of China (PRC) Ministry of Agriculture and Rural Affairs (MARA) announced its approval of six new feed additive varieties, expansion of usage scope for three feed additives, and addition of two feed additives and one feed ingredient into the MARA feed catalogs. This report contains an unofficial translation of the announcement and the revised parts of the catalogs for feed additives and ingredients. U.S. exporters should note that the original catalog in Chinese is the final authority for interpretation. Stakeholders should conduct their own review of the regulation.

Report Summary:

On December 20, 2024, MARA released Announcement No. 862 (link in Chinese) on the approval of six new feed varieties, expansion of scope of application for three feed additives, and addition of two feed additives in the Feed Additives Catalog and one new feed ingredient in the Feed Ingredients catalog. The application scopes of the Feed Additives Catalog and featured description the in Feed Catalogs are revised. Major additions and revisions are listed below:

1. Approved Ferrous sucrose, Iron dextran, Gallic acid *(*from *Galla chinensis* or *Caesalpinia spinosa* Kuntze), Red amorphous elemental selenium, Zinc valine chelate, Ferulic acid, as new feed additives varieties.

2. Expanded scopes of application for three feed additives including protein zinc, silybin, and steviol glycosides.

3. Added two feed additives of *Bacillus velezensis* (CECT 5940/CICC 11068s) and *Poria cocos* extract (active substance: β-1,3-D-glucan) to Feed Additives Catalog.

4. Added one feed ingredient of sea cucumber intestinal hydrolyzed protein to Feed Ingredients Catalog.

Attachments to the announcement include product standards, usage instructions, testing methods, and labeling requirements for the newly approved products. Exporters can refer to this information for guidance on labeling and determining the required substances.

Companies intending to export feed additives or ingredients to PRC must ensure their products are approved for use in the PRC. This means the products should be listed in the feed additives or feed ingredients catalog and registered with the General Administration of Customs of China (GACC) before shipment.

This report contains an unofficial translation of the Announcement and the revised information in the Catalogs. The previous feed catalogs updates were made in January 2024, please refer to FAS GAIN Report CH2024-0011 for more information on the last updates.

BEGIN UNOFFICIAL TRANSLATION

Announcement No. 862 of the Ministry of Agriculture and Rural Affairs of People's Republic of China

Publication date: December 20, 2024
Effective date: December 20, 2024

According to the "Regulations on the Administration of Feed and Feed Additives" and "Administrative Measures for New Feed and New Feed Additives," the Ministry of Agriculture and Rural Affairs (MARA) organized National Feed Review Committee to review the application materials for new feed and feed additive products submitted by applicants, and decided to approve Ferrous sucrose, Iron dextran, Gallic acid (from *Galla chinensis* or *Caesalpinia spinosa* Kuntze), Red amorphous elemental selenium, Zinc valine chelate, Ferulic *acid* as new feed additives, expanded scopes of application for some varieties, and supplemented *Feed Ingredients Catalog* and *Feed Additives Catalog*. The relevant matters are hereby announced as follows.

1. Approval of six new feed additives varieties

The below products were approved as new feed additives, and are allowed to be produced, operated, and used within the territory of the People's Republic of China. The new feed and feed additives products certificates were issued (see Appendix 1 for the feed and feed additives new product catalog). Relevant product standards (see Appendix 2, 3, 4, 5, 6, 7 for product instructions and labels), and relevant testing methods (see Appendix 8). Product standards and testing methods standards shall be implemented from the date of the Announcement. The product monitoring period is from the date of release to the end of December 2029. Production enterprises should collect information on product quality stability and its impact on animal product quality and safety, then report to MARA after the monitoring period ends.

(1) The ferrous sucrose product applied for by Nanning Zeweier Feed Co., Ltd. is used to provide the iron required by animals and is applicable to weaned piglets.

(2) The iron dextran applied by Guangxi Research Institute of Chemical Industry Co., Ltd. has the function of providing the iron required by animals and is applicable to weaned piglets.

(3) Gallic acid (from *Galla chinensis* or *Caesalpinia spinosa* Kuntze) jointly applied by Wufeng Chicheng Biotechnology Co., Ltd. and Institute of Feed Research of Chinese Academy of Agricultural Sciences has the function of enhancing intestinal immune system and improving feed conversion efficiency and is applicable to weaned piglets.

(4) The red amorphous elemental selenium jointly applied by Beijing Wahmix Technology Development Co., Ltd. and Beijing Wahmix Biotechnology Co., Ltd. has the function of providing selenium required by animals, and is applicable to broilers.

(5) The zinc valine chelate jointly applied by Changsha Xingjia Bioengineering Co., Ltd. and Xinjia Biotechnology (Changsha) Co., Ltd. has the function of providing zinc elements required by animals and is applicable to weaned piglets.

(6) The ferulic acid jointly applied by Guangzhou Cohoo Biotechnology Co., Ltd., Guangdong Newkronen Biotech Co., Ltd., and Sichuan Agricultural University, which has the function of improving the antioxidant capacity of animals and is applicable to shrimps.

2. Approval of one feed additive that had not been approved for use domestically but has been approved for production and use in the producing country

Bacillus Velezensis (CECT 5940 /CICC 11068s) is added to the "Feed Additives Catalog". The function of the product is to improve intestinal health and animal growth performance, and it is applicable to broilers. The product information table is shown in Appendix 9. The relevant products are allowed to be imported, produced, operated, and used in the territory of the People's Republic of China.

3. Expansion of application scopes for three feed additives

(1) The application scope of protein zinc is expanded to milking dairy cows. The product's function is to provide zinc to milking dairy cows. The recommended addition amount in a total mixed ration is 35 mg/kg (based on a total mixed ration with a dry matter content of 88%, calculated as zinc element). The maximum limit is in accordance with the "Maximum limit of zinc element in compound feed or total mixed ration" in the "Safety Use Specifications for Feed Additives" (Ministry of Agriculture Announcement No. 2625).

(2) The application scope of silybin is expanded to broilers. The product has the effect of improving the antioxidant capacity and promoting the growth of broilers. The recommended addition amount in broiler compound feed is 20-40 mg/kg (based on compound feed with a dry matter content of 88%, calculated as silybin).

(3) The application scope of steviol glycosides is expanded to calves and weaned piglets. The product effect is to promote animal feeding and improve growth performance. The recommended addition amount in the total mixed ratio of calves is 200 mg/kg (based on the total mixed ration with a dry matter content of 88%), and the recommended addition amount in the compound feed of weaned piglets is 100~150 mg/kg (based on the compound feed with a dry matter content of 88%), both calculated on the basis of the product. See Appendix 10 for product information and Appendix 11 for product standards.

4. Addition of one feed additive into the Feed Additives Catalog

Supplementation of *Poria cocos* extract (active substance is β-1,3-D-glucan) into the "Feed Additives Catalog," the function of the product is to promote animal growth, and its application

scope is growing and fattening pigs and broilers. The recommended addition amount in the compound feed for growing and fattening pigs is 50~80 mg/kg (based on the compound feed with a dry matter content of 88%), and the recommended addition amount in the compound feed for broilers is 50~100 mg/kg (based on the compound feed with a dry matter content of 88%). See Appendix 12 for product information and Appendix 13 for product standards.

5. Addition of one feed ingredient into the Feed Ingredients Catalog

Add sea cucumber intestinal hydrolyzed protein to the "Feed Ingredients Catalog" under 10.3.11 (see Appendix 14 for the revised list of "Feed Ingredients Catalog" and Appendix 15 for product standards). Description: Products made from sea cucumber intestines through pretreatment, enzymatic hydrolysis, centrifugation, spray drying, and other processes. The acid-soluble protein content is not less than 50.0%, the crude protein content is not less than 55.0%, the crude fat content is not more than 2.0%, the crude ash content is not more than 8.0%, the volatile basic nitrogen content is not more than 130 mg/100 g, the moisture content is not more than 8.0%, the coliform group is not more than 100 CFU/g, the staphylococcus aureus is not more than 100 CFU/g, and the vibrio parahaemolyticus is not more than 3.0 MPN/g. Mandatory labeling requirements include acid-soluble protein, crude protein, crude fat, crude ash, volatile basic nitrogen, moisture, coliform group bacteria, staphylococcus aureus, and vibrio parahaemolyticus. This feed ingredient is managed as the single feed variety.

This is hereby announced.

Appendix:

1. **Feed and Feed Additives Lists of New Products**
2. Product Standards for Feed Additive Ferrous Sucrose (omitted)
3. Product Standards for Feed Additive Iron Dextran (omitted)
4. Product Standards for Feed Additive Gallic Acid (from *Galla Chinensis* or *Caesalpinia Spinosa* Kuntze) (omitted)
5. Product Standards for Feed Additive Red Amorphous Elemental Selenium (omitted)
6. Product Standards for Feed Additive Zinc Valine Chelate (omitted)
7. Product Standards for Feed Additive Ferulic Acid (omitted)
8. Determination of Ferulic Acid in Feeds – High Performance Liquid Chromatography (omitted)
9. **Product Information for Feed Additive *Bacillus Velezensis* (CECT 5940/CICC 11068s)**
10. **Product Information for Feed Additive Steviol Glycosides**
11. Product Standards for Feed Additive Steviol Glycosides (omitted)
12. **Product Information for Feed Additive *Poria Cocos* Extract (active substance: β-1,3-D-glucan)**
13. Product Standards for Feed Additive *Poria Cocos* Extract (active substance: β-1,3-D-glucan) (omitted)
14. **Revised List for Feed Ingredients Catalog**
15. Product Standards for Feed Ingredient Sea Cucumber Intestinal Hydrolyzed Protein (omitted)

Ministry of Agriculture and Rural Affairs

December 20, 2024

Appendix 1: Feed and Feed Additives Lists of New Products

New Feed and Feed Additives Products (2024-6)

Certificate No.	Xin Si Zheng Zi (New feed license No.) (2024) 06	
Applicant	Nanning Zeweier Feed Co., Ltd.	
Common Name	蔗糖亚铁	
English Name	Ferrous sucrose	
Main Component	Ferrous sucrose ($C_{12}H_{30}O_{19}SFe$)	
Product Category	Mineral elements and their complexes (chelates)	
Product Source	It is made from sucrose and ferrous sulfate (molar ratio 1:1) as the main raw materials through complexation reaction, vacuum drying, and other processes.	
Application Scope	Weaned piglets	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	60 mg/kg (as elemental iron)	
Maximum level in compound feed	It shall be implemented in accordance with the "Maximum Limit of Iron in Compound Feed or Total Mixed Ration" stipulated in the "Safety Use of Feed Additives" (Announcement No. 2625 of the Ministry of Agriculture)	
Quality Requirements	Appearance and status	Light yellow or brown powder with its own unique fragrance
	Total ferrous iron (dry basis) /%	≥9.8
	Free iron (dry basis) /%	≤0.50
	Trivalent iron (dry basis) /%	≤0.50
	Sucrose ferrous iron (dry basis) /%	≥94.0
	Complexation rate /%	≥90.0
	Total sugar (based on $C_{12}H_{22}O_{11}$ dry basis) /%	≥56.8
	Loss on drying /%	≤6.5
	Sulfate (as SO_4^{2-}) /%	≥16.0
	Particle size (pass rate for aperture test sieve of 850 μm) /%	≥95.0
	Total arsenic (As basis)/(mg/kg)	≤2.0
	Lead/ (mg/kg）	≤10.0
	Cadmium/ (mg/kg)	≤5.0

New Feed and Feed Additives Products (2024-7)

Certificate No.	Xin Si Zheng Zi (New feed license No.) (2024) 07	
Applicant	Guangxi Research Institute of Chemical Industry Co., Ltd.	
Common Name	右旋糖酐铁	
English Name	Iron dextran	
Main Component	Iron dextran [Fe $(OH)_3$] n (DxCOOH)m	
Product Category	Minerals and their complexes (chelates)	
Product Source	It is made from dextran 20, ferric chloride, sodium hydroxide, etc., through complexation reaction, coarse filtration, ultrafiltration, drying, and other processes.	
Application Scope	Weaned piglets	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	50～100 mg/kg (calculated as elemental iron)	
Maximum level in compound feed (based on the compound feed with a dry matter content of 88%)	500 mg/kg (as elemental iron)	
Quality Requirements	Appearance and status	Brown to brownish black crystalline powder, no odor
	Total iron (calculated as Fe^{3+}, on a dry basis) /%	37.0～45.0
	Dextran (dry basis) /%	≥27.0
	weight average molecular weight	5000～7500
	molecular weight distribution coefficient	< 1.8
	free iron (calculated as Fe^{3+}, on a dry basis) /%	≤0.5
	Complexation rate /%	≥95.0
	Chloride (as Cl^-) /%	≤3.0
	Moisture/%	≤5.0
	Particle size (pass rate for aperture test sieve of 250 μm) /%	≥98
	Total arsenic (As basis)/(mg/kg)	≤7.0
	Lead/ (mg/kg）	≤13.0
	Cadmium/ (mg/kg)	≤2.0
	Chromium/ (mg/kg）	≤5.0

New Feed and Feed Additives Products (2024-8)

Certificate No.	Xin Si Zheng Zi (New feed license No.) (2024) 08	
Applicant	Wufeng Chicheng Biotechnology Co., Ltd. and Institute of Feed Research of Chinese Academy of Agricultural Sciences	
Common Name	没食子酸（源自五倍子或塔拉）	
English Name	Gallic acid (from *Galla chinensis* or *Caesalpinia spinosa* Kuntze)	
Main Component	Gallic acid	
Product Category	Plant Extract	
Product Source	It is made from *Galla chinensis* or *Caesalpinia spinosa* Kuntze powder through hydrolysis, acidification, filtration, crude product dehydration, refined decolorization, filtration, centrifugation, drying, and other processes.	
Application Scope	Weaned piglets	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	200～300 mg/kg	
Quality Requirements	Appearance and Status	White or light grey needle-shaped crystal powder, odorless
	Gallic acid (dry basis) /%	≥99.0
	Moisture/%	≤10.0
	Burning residue /%	≤0.1
	Chloride (as Cl^-) /%	≤0.02
	Sulfate (as SO_4^{2-}) /%	≤0.02
	Iron /(mg/kg)	≤5.0
	Chroma (Platinum-Cobalt Color)	≤200
	Turbidity (NTU)	≤10.0
	Total arsenic (As basis)/(mg/kg)	≤1.0
	Lead/ (mg/kg）	≤10.0
	Mercury/ (mg/kg)	≤1.0
	Cadmium/ (mg/kg）	≤1.0

New Feed and Feed Additives Products (2024-9)

Certificate No.	Xin Si Zheng Zi (New feed license No.) (2024) 09
Applicant	Beijing Wahmix Technology Development Co., Ltd. and Beijing Wahmix Biotechnology Co., Ltd.
Common Name	红色无定形态单质硒

English Name	Red amorphous elemental selenium	
Main Component	Red amorphous elemental selenium	
Product Category	Minerals and their complexes (chelates)	
Product Source	The product is prepared by using Bacillus subtilis CGMCC No.11741 as the strain, reducing the sodium selenite in the culture medium through liquid fermentation, and then centrifugation, carrier addition, spray drying and irradiation sterilization.	
Application Scope	broiler	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	0.2～0.3 mg/kg (calculated as selenium element)	
Maximum level in compound feed	It is implemented according to “the maximum limit of selenium in compound feed or total mixed ration” in the Safety Use Specifications for Feed Additives (Ministry of Agriculture Announcement No. 2625).	
Quality Requirements	Appearance and Status	Red powder or granules, with the characteristic smell of microbial fermentation
	Total selenium (as Se)/(mg/kg)	30000～40000
	Amorphous elemental selenium accounts for the mass percentage of total selenium/%	≥98.0
	Average particle size of amorphous elemental selenium/nm	100～250
	Moisture/%	≤10.0
	Total arsenic (as As)/(mg/kg)	≤2.0
	Lead/ (mg/kg）	≤5.0
	Salmonella (25 g)	undetectable

New Feed and Feed Additives Products (2024-10)

Certificate No.	Xin Si Zheng Zi (New feed license No.) (2024) 10
Applicant	Changsha Xingjia Bioengineering Co., Ltd. and Xinjia Biotechnology (Changsha) Co., Ltd.
Common Name	缬氨酸锌螯合物
English Name	Zinc valine chelate
Main Component	Zinc valine chelate ($C_{10}H_{24}N_2O_6Zn$)
Product Category	Minerals and their complexes (chelates)
Product Source	It is made from valine and zinc oxide through chemical reaction, crystallization, drying, and other processes.
Application Scope	Weaned piglets

The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	65 ~ 75 mg/kg (Based on zinc)	
Maximum level in compound feed (based on the compound feed with a dry matter content of 88%)	100 mg/kg (Based on zinc)	
Quality Requirements	Appearance and Status	White or light yellow powder
	Zinc/%	≥18.5
	Valine/%	≥66.0
	Moisture/%	≤10.0
	Particle size (pass rate for aperture test sieve of 850 μm) /%	≥98.0
	Total arsenic (as As)/(mg/kg)	≤5.0
	Lead/ (mg/kg)	≤10.0
	cadmium/ (mg/kg)	≤8.0

New Feed and Feed Additives Products (2024-11)

Certificate No.	Xin Si Zheng Zi (New feed license No.) (2024) 11	
Applicant	Guangzhou Cohoo Biotechnology Co., Ltd., Guangdong Newkronen Biotech Co., Ltd., and Sichuan Agricultural University.	
Common Name	阿魏酸	
English Name	Ferulic acid	
Main Component	Ferulic acid ($C_{10}H_{10}O_4$)	
Product Category	Antioxidants	
Product Source	It is made from rice bran through alcohol extraction, extraction, crystallization, drying, and other processes.	
Application Scope	Shrimp	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	80～160 mg/kg	
Maximum level in compound feed (based on the compound feed with a dry matter content of 88%)	160 mg/kg	
Quality Requirements	Appearance and status	White to slightly yellow powder or crystals

	Ferulic acid/%	≥98.0
	Burning residue/%	≤1.0
	Moisture/%	≤3.0
	Ethanol residue/(g/kg)	≤5.0
	Residual n-hexane/(g/kg)	≤0.29
	Total arsenic (as As)/(mg/kg)	≤2.0
	Lead/ (mg/kg）	≤5.0

Appendix 9: Product Information for Feed Additive *Bacillus Velezensis* (CECT 5940/CICC 11068s)

Applicant	Evonik Industries AG	
Common Name	贝莱斯芽孢杆菌（CECT 5940 / CICC 11068s）	
English Name	*Bacillus velezensis* (CECT 5940 / CICC 11068s)	
Main Component	*Bacillus velezensis*	
Product Category	Live Microorganisms	
Product Source	It is made from Bacillus Velezensis (CECT 5940 / CICC 11068s) through liquid fermentation, solid-liquid separation, drying, and carrier addition.	
Application Scope	broiler	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	1000 mg/kg（10^9 CFU/kg）	
Quality Requirements	Appearance and Status	Cream to white granules
	Bacillus Velezensis/ (CFU/kg）	≥1×10^9
	Moisture/%	≤1.0
	Particle size (pass rate for aperture test sieve of 425 μm) /%	≥78
	Total arsenic (as As)/(mg/kg)	≤2.0
	Lead/ (mg/kg）	≤5.0
	Mercury/ (mg/kg）	≤0.1
	Cadmium/ (mg/kg）	≤0.5
	Aflatoxin B1/(μg/kg)	≤10
	Total mold count/(CFU/g)	≤2×10^4
	Coliform group / (MPN/100 g)	≤1×10^4
	Salmonella (25 g)	Undetectable

Appendix 10: Product Information for Feed Additive Steviol Glycosides

Common Name	甜菊糖苷
English Name	Steviol glycosides

Main Component	Steviol glycosides	
Product Category	Sweet substance	
Product Source	It is made from stevia leaves through water extraction, resin adsorption, analysis, concentration, drying, and other processes.	
Application Scope	Calves, weaned piglets	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	Calf: 200 mg/kg (based on product) Weaned piglets: 100-150 mg/kg (based on product)	
Quality Requirements	Appearance and Status	White to light yellow powder, crystal, granule, or flake
	Steviol glycosides content (dry basis) /%	≥90.0
	Crude ash /%	≤1.0
	Moisture /%	≤6.0
	pH value (1% aqueous solution)	4.5～7.0
	Methanol/(mg/kg)	≤200
	Ethanol/(mg/kg)	≤5000
	Total arsenic (as As)/(mg/kg)	≤1.0
	Lead/(mg/kg)	≤1.0

Appendix 12: Product Information for Feed Additive *Poria Cocos* Extract (active substance: β-1,3-D-glucan)

Common Name	茯苓提取物（有效成分为β-1,3-D-葡聚糖）	
English Name	*Poria cocos* extract (active substance: β-1,3-D-glucan)	
Main Component	β-1,3-D- glucan $(C_6H_{10}O_5)n$	
Product Category	Plant extract	
Product Source	It is made from poria cocos slices through extraction, concentration, acid precipitation, drying, crushing, mixing, and other processes.	
Application Scope	Growing and fattening pigs, broiler chickens	
The recommended addition amount in the compound feed (based on the compound feed with a dry matter content of 88%)	Growing and fattening pig: 50 ~ 80 mg/kg (based on product) broiler: 50～100 mg/kg (based on product)	
Quality Requirements	Appearance and Status	Light brown powder
	β-1,3-D- glucan (measured in glucose) /%	≥60.0
	Moisture /%	≤10.0
	Crude ash /%	≤12.0
	Crude protein /%	≤1.5

	Total triterpenes/%		≤1.5
	Crude fat/%		≤8.0
	Particle size	pass rate for aperture test sieve of 710 μm /%	100
		pass rate for aperture test sieve of 250 μm /%	≤10.0
	Total arsenic (as As)/(mg/kg)		≤1.0
	Lead/(mg/kg)		≤4.0
	Salmonella (25g)		Undetectable

Appendix 14: Revised List for Feed Ingredients Catalog

Raw material No.	Raw material name	Feature description	Mandatory labeling requirements
10.3	**Aquatic molluscs and their by-products**		
10.3.11	sea cucumber intestinal hydrolyzed protein	The product is made from sea cucumber intestines through pretreatment, enzymatic hydrolysis, centrifugation, spray drying, and other processes. The acid-soluble protein content is not less than 50.0%, the crude protein content is not less than 55.0%, the crude fat content is not more than 2.0%, the crude ash content is not more than 8.0%, the volatile basic nitrogen content is not more than 130mg/100g, the moisture content is not more than 8.0%, the coliform group is not more than 100 CFU/g, the Staphylococcus aureus is not more than 100 CFU/g, and the Vibrio parahaemolyticus is not more than 3.0 MPN/g.	Acid soluble protein (trichloroacetic acid soluble protein) Crude protein Crude fat Crude ash Volatile basic nitrogen Water content Coliform group bacteria Staphylococcus aureus Vibrio parahaemolyticus

END UNOFFICIAL TRANSLATION

Attachments:

No Attachments.