USDA Foreign Agricultural Service
GAIN Report
Global Agriculture Information Network
Template Version 2.09

Required Report - public distribution

Date: 4/10/2009

GAIN Report Number: CH9033

China, Peoples Republic of

FAIRS Subject Report

2008 Catalog of Feed Additives

2009

Approved by:
William Westman
AgBeijing

Prepared by:
Mark Petry and Wu Xinping

Report Highlights:
On December 11, 2008, China's Ministry of Agriculture (MOA) published Decree No. 1126, the "2008 Catalog of Feed Additives". The 2008 Catalog, modified based on the "2006 Catalog of Feed Additives", adds some widely used safe feed additives and also defines the scope of use for enzymes and live micro-organisms. This report contains an UNOFFICIAL translation of the Decree.

Includes PSD Changes: No
Includes Trade Matrix: No
Trade Report
Beijing [CH1]
[CH]

Summary

On December 11, 2008, China's MOA published Decree No. 1126 on "2008 Catalog of Feed Additives" (The 2008 Catalog). The 2008 Catalog, modified based on the "2006 Catalog of Feed Additives", adds some items widely regarded as safe feed additives and also defines the scope of use for enzymes and live micro-organisms. The 2008 Catalog was effective December 11, 2008, on which day the "2006 Catalog of Feed Additives" was repealed.

Decree No.1126 was not yet notified to the World Trade Organization.

This report contains an UNOFFICIAL translation of MOA Decree No.1126.

BEGIN TRANSLATION

Decree of the Ministry of Agriculture of the People's Republic of China
No.1126

In order to strengthen the management of feed additives, guarantee the quality and safety of animal products and promote the healthy development of the feed industry, according to "Administrative Regulations on Feed and Feed Additives", the "2008 Catalog of Feed Additives" (hereinafter referred to as the "2008 Catalog") and the relevant issues are hereby published as follows:

1. The 2008 Catalog is composed of two parts – Appendix 1 and Appendix 2. The nutritional feed additives and the general feed additives currently in production, marketed and use fall into the specified items in the 2008 Catalog, and enterprises engaged in producing these feed additives shall apply for a production permit and product approval number. Appendix 2 lists new feed and feed additives within the trial commercial use period. Production of these feed and feed additives can only be conducted by the applicants or their designated entities as specified in Appendix 2. Any substance not listed in the 2008 Catalog is prohibited from being used as a feed additive. Production and usage of feed additives not listed in the 2008 Catalog shall require a new product production permit before production and marketing as stipulated in the requirements of the "Administrative Regulations on New Feed and Feed Additives".

2. Production of genetically modified animal and plant and micro-organism origin feed additives, and feed additives produced with genetically modified ingredients, shall comply with the "Administrative Measures on Agricultural Genetically Modified Bio-organisms" to conduct a safety evaluation and obtain Agricultural GMO Biosafety Certificate first and then conduct a review according to requirements of "Administrative Regulations on New Feed and Feed Additives".

3. The 2008 Catalog is modified based on the "2006 Catalog of Feed Additives" and it adds some feed additives which are widely considered safe in production and defines the scope of use of enzymes and live micro-organisms.

4. Nine items which completed the trial commercial use period are added into the Appendix 1, specifically: Chromium Nicotinate, Cysteamine Hydrochloride, Chromium Tripicolinate, Lactobacillus bulgaricus, Galactomanno-oligosaccharides, Xylo-oligosaccharides, Low-molecular-weight Chitosan, 1-Aminocyclopropane-1-Carboxylic Acid and, Lathanum/Cerium Chintosan Chelates.

5. Effective on December 11, 2008, the 2006 Catalog of Feed Additives published by MOA on May 31, 2006 repealed.

December 11, 2008

Appendix: 2008 Catalog of Feed Additives

Approved Feed Additives(2008)

Appendix I

Class	Common name of feed additive	Scope of Use
Amino Acids	L-Lysine, L-Lysine Monohydrochloride, L-Lysine Sulfate and its by-products from fermentation (Source: *Corynebacterium glutamicum*,L-lysine: min. 51 %), DL-Methionine, L-Threonine, L-Tryptophan, L-Arginine, Glycine, L-Tyrosine, L-Alanine, Aspartic Acid, L-Leucine, Isoleucine, L-Proline, Phenylalanine, Serine, L-Cysteine, L-Histidine, Valine, Cystine, Taurine	All species or categories of animals
	Methionine Hydroxy Analogue, Methionine Hydroxy Analogue Calcium	Pig, chicken and cattle
	N-Hydroxymethyl Methionine Calcium	Ruminant
Vitamins	Vitamin A, Vitamin A Acetate, Retinol Palmitate, beta-Carotene, Thiamin Hydrochloride (Vitamin B_1), Thiamin Mononitrate (Vitamin B_1), Riboflavin (Vitamin B_2) , Pyridoxine Hydrochloride (Vitamin B_6), Cyanocobalamin (Vitamin B_{12}), L-Ascorbic Acid (Vitamin C), Calcium L- Ascorbate, Sodium L-Ascorbate, L- Ascorbyl-2- Polyphosphate, 6-Palmityl-L-Ascorbic Acid, Vita- min D_2,Vitamin D_3, alpha-Tocopherol(Vitamin E), alpha-Toc- opherol Acetate, Menadione Sodium Bisulfite (Vitamin K_3), Menadione Dimethylpyrimidinol Bisulfite, Menadione Nicoti- namide Bisulfite, Nicotinic Acid, Niacinamide, D-Pantothenyl Alcohol, D-Calcium Pantothenate, DL-Calcium Pantothenate, Folic Acid, D-Biotin, Choline Chloride, Inositol, L-Carnitine, L-Carnitine Hydrochloride	All species or categories of animals

Minerals and Their Complexes (Chelates) [1]	Sodium Chloride, Sodium Sulfate, Monosodium Phosphate, Disodium Phosphate, Monopotassium Phosphate, Dipotassium Phosphate, Calcium Carbonate, Calcium Chloride, Dicalcium Phosphate, Monocalcium Phosphate, Tricalcium Phosphate, Calcium Lactate, Magnesium Sulfate, Magnesium Oxide, Magnesium Chloride, Ferrous Citrate, Ferrous Fumarate, Ferrous Lactate, Ferrous Sulfate, Ferrous Chloride, Ferric Chloride, Ferrous Carbonate, Copper Chloride, Copper Sulfate, Zinc Oxide, Zinc Chloride, Zinc Carbonate, Zinc Sulfate, Zinc Acetate, Manganese Chloride, Manganese Oxide, Manganese Sulfate, Manganese Carbonate, Manganese Phosphate (Dibasic), Potassium Iodide, Sodium Iodide, Potassium Iodate, Calcium Iodate, Cobalt Chloride, Cobalt Acetate, Cobalt Sulfate, Sodium Selenite, Sodium Molybdate, Copper Methionine Complex.Chelate., Ferric Methionine Complex (Chelate), Manganese Methionine Complex (Chelate), Zinc Methionine Complex (Chelate), Copper Lysine Complex (Chelate), Zinc Lysine Complex (Chelate), Copper Glycine Complex (Chelate), Ferrous Glycine Complex (Chelate), Copper Yeast Complex*, Ferrous Yeast Complex*, Manganese Yeast Complex*, Selenium Yeast Complex*, Copper Proteinate*, Iron Proteinate*, Zinc Proteinate*	All species or categories of animals
	Chromium Nicotinate, Chromium Yeast Complex*, Chromium Methionine Chelate*, Chromium Tripicolinate	Growing-finishing pig
	Chromium Propionate*	Swine
	Zinc Propionate *	Swine, cattle and poultry
	Potassium Sulfate, Iron Oxide, Cobalt Carbonate, Copper Oxide	Ruminant
	Lathanum/Cerium Chintosan Chelates	Poultry , livestock ,fish and shrimp
Enzymes[2]	Amylase (Source: *Aspergillus niger, Bacillus amyloliquefaciens, Bacillus licheniformis, Bacillus subtilis, Trichoderma longi- brachiatum**, *Aspergillus oryzae**)	Corn silage, corn, corn gluten feed, soybean meal, wheat, wheat middlings, barley, grain sorghum, oat, pea, tapioca, millet, rice
	Pullulanase (Source: *Bacillus acidopullulyticus*)	
	a-Galactosidase (Source: *Aspergillus niger*)	Soybean meal

	Cellulase (Source: *Trichoderma longibrachiatum*)	Corn, barley, wheat, wheat bran, rye, grain sorghum
	beta-Glucanase (Source: *Aspergillus niger , Bacillus subtilis, Trichoderma longibrachiatum, Penicillium funiculosum**)	Wheat, barley, canola meal, wheat bypro- duct, oat groats, rye, triticale, grain sorghum
	Glucose Oxidase (Source: *Penicillium notatum*)	Glucose
	Lipase (Source: *Aspergillus niger*)	Plant and ani-mal sources of fats and oils
	Maltase (Source: *Bacillus subtilis*)	maltose
	Mannanase (Source: *Bacillus lentus*)	Corn, soybean meal, guar meal
	Pectinase (Source: *Aspergillus niger*)	Corn, wheat
	Phytase (Source: *Aspergillus niger , Aspergillus oryzae*)	Corn, soybean meal, sunflower meal, hominy, tapioca, plant byproducts
	Protease (Source: *Aspergillus niger, Aspergillus oryzae, Bacillus subtilis, Trichoderma longibrachiatum**)	Plant and ani-mal proteins
	Xylanase (Source: *Aspergillus oryzae, Humicola insolens, Trichoderma longibrachiatum, Bacillus subtilis, Penicillium funiculosum**)	Corn, barley, rye, wheat, grain sorghum, triticale, oats
Live Micro-organisms	*Bacillus licheniformis**, *Bacillus subtilis, Bifidobacterium bifidum**, *Enterococcus faecalis, Enterococcus faecium, Enterococcus lactis, Lactobacillus acidophilus, Lactobacillus casei, Lactobacillus lactis**, *Lactobacillus plantarum, Pediococcus acidilactici, Pediococcus pentosaceus**, *Candida utilis, Saccharomyces cerevisiae, Rhodopseudomonas palustris*	All species or categories of animals
	Lactobacillus bulgaricus	Pig , poultry and silage

Non-protein Nitrogen	Urea, Ammonium Bicarbonate, Ammonium Sulfate, Liquid Ammonia, Mono Ammonium Phosphate, Diammonium Phosphate, Biuret, Isobutylidene Diurea, Urea Phosphate	Ruminant
Antioxidants	Ethoxyquin, Butylated Hydroxyanisole (BHA), Butylated Hydroxytoluene (BHT), Propyl Gallate	All species or categories of animals
Preservatives and Acidity Regulators	Formic Acid, Ammonium Formate, Calcium Formate, Acetic Acid, Sodium Diacetate, Propionic Acid, Ammonium Propionate, Sodium Propionate, Calcium Propionate, Butyric Acid, Sodium Butyrate, Lactic Acid, Benzoic Acid, Sodium Benzoate, Sorbic Acid, Sodium Sorbate, Potassium Sorbate, Fumaric Acid, Citric Acid, Potassium Citrate, Sodium Citrate, Calcium Citrate, Tartaric Acid, Malic Acid, Phosphoric Acid, Sodium Hydroxide, Sodium Bicarbonate, Potassium Chloride, Sodium Carbonate	All species or categories of animals
Coloring Agents	beta-Carotene, Capsanthin, beta-Apo-8'-Carotenal, beta -Apo- 8'-Carotenoic Acid Ethyl Ester, beta, beta- Carotene -4,4- Diketone (Canthaxanthin), Xanthophyll, Natural Xanthophyll (Marigold Extract)	Poultry
	Astaxanthin	Aquaculture animals
Seasonings and Flavoring Agents	Sodium Saccharin, Sodium Glutamate, Disodium 5'-Inosinate, Disodium 5'-Guanylate, Approved Food Flavoring Agents[3]	All species or categories of animals
Binders, Anticaking Agents and Stabilizers	alpha- Starch, Aluminum Oxide, Calcium Salt of Edible Fatty Acid, Mono- /di-glycerides of Edible Fatty Acids, Calcium Silicate, Sodium Silico Aluminate, Calcium Sulfate, Calcium Stearate, Glycerine Fatty Acid Ester, Polyacrylic Resin II, Sorbitan Monostearate, Polyoxyethylene(20) Sorbitan Monooleate, Propylene Glycol, Silicon Dioxide, Lecithin, Sodium Alginate, Potassium Alginate, Ammonium Alginate, Agar-agar, Guar gum, Acacia, Xanthan Gum, Mannitol, Lignin Sulfonate, Sodium Carboxymethylcellulose, Sodium Polyacrylate*, Sor- bitol Esters of Fatty Acid, Sucrose Esters of Fatty Acid, Sodium Acid Pyrophosphate, Glyceryl Monosterate	All species or categories of animals
	Glycerine	Pig, chicken and fish
	Stearic Acid*	Swine, cattle and poultry
Polysaccharides and Oligosaccharides	Xylo-oligosaccharides	Laying hens and aquaculture animals

	Low-molecular-weight Chitosan	Pig and chicken and aquacult- ure animals
	Galactomanno-oligosaccharides	Pig, broiler, rabbit and aquaculture animals
	Fructo-oligosacharides, Manno-oligosaccharides	All species or categories of animals
Others	Betaine, Betaine Hydrochloride, Garlicin (Allimin), Sorbitol, Soybean Lecithin, YUCCA (Yucca Schidigera Extract), Doco-sahexaenoic Acid (DHA), Yeast Culture*, Yeast Extract*, Yeast Cell Wall *	All species or categories of animals
	Saccharicterpenin (Seed Cake of *Camellia L.*), Oregano Carvacrol (Origanum aetheroleum) *	Pig and poultry
	Acetohydroxamic Acid	Ruminant
	Cysteamine Hydrochloride (coated granules with cyclodextrin, Cysteamine Hydrochloride: 27%)	Livestock and poultry
	1-Aminocyclopropane-1-Carboxylic Acid	Chicken

Notes:

* Feed additive with the asterisk '*' have obtained an importation license. It can not be manufactured in or exported to China until its safety, effectiveness and stability have been evaluated by Ministry of Agriculture.

1 All substances listed may be in anhydrous or hydrated form.

2 The usage of enzymes provides the typical substrates for guidance only and does not cover all substrates applicable.

3 Approved food flavoring agents are in accordance with the list of food flavoring agents in Hygienic Standards for Uses of Food Additives (GB2760-2007).

Appendix 2

Catalog of New Feed and Feed Additive within Trial Use Period (24 items/by 24 domestic developers/producers)

(Omitted)

END TRANSLATION