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Report Highlights:

On October 14, 2017, China's Administration for Quality Supervision, Inspection and Quarantine (AQSIQ) published the final version of its amended Hygienic Standard for Feed GB 13078. The standard takes effect on May 1, 2018. The standard was notified to the World Trade Organization (WTO) on September 28, 2016. The standard expands coverage of contaminants and feed varieties. The standard defines maximum limits of different hygienic items for various feed ingredients and animals as well as different feeds based on various stages of development. Over 100 maximum limits were amended or added to the standard. To correspond with the advances in technology this standard amends or adds testing methodologies for some items. The United States feed traders who intend to export products to China are recommended to review this standard and consult with Chinese importers for specifics. This report contains an UNOFFICIAL translation of the standard.

BEGIN UNOFFICIAL TRANSLATION

National Standard of the People's Republic of China

GB 13078 — 2017

Replaces GB 13078-2001, GB 13078.1-2006, GB 13078.2-2006, GB 13078.3-2007, GB 21693-2008

Hygienic Standard for Feeds

Issue date: October 14, 2017; Implementation date: May 1, 2018

Issued by General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and Standardization Administration of the People's Republic of China

Preface

All technical contents of this standard are mandatory.

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB 13078-2001 "Hygienic Standard for Feed" and its Change List No.1, GB 13078.1-2006 "Hygienic Standard for Feed – Tolerance Limit of Nitrite in Feeds," GB 13078.2-2006 "Hygienic Standard for Feed – Tolerance Limits of Ochratoxin A and Zearalenone in Feed," GB 13078.3-2007 "Tolerance Limit of Deoxynivalenol in Compound Feed," and GB 21693-2008 "Tolerance Limit of T-2 Toxin in Compound Feed". Compared with the original standard, in addition to the editorial changes, the main technical contents differ as follows:

-- Adjusted the scope of application of the standard, and amended as "This standard applies to the feed ingredients and feed products listed in Table 1, but not applies to pet food products and feed additive products, and deleted the contents related to feed additive products.

-- Added the provisions for tolerance limits of three items namely Hexachlorobenzene nisis, polychlorinated biphenyls and hexachlorobenzenes.

-- Standardized the effective numbers of tolerance limit values.

-- Expanded the coverage of the tolerance limits of the all items and listed the feed ingredients, additive premixed feed, concentrated feed, concentrate supplement feed and compound feed in unified order, and further refined the tolerance limit level of various items in different feed ingredients and feed products (for different ages and animal species):

Total arsenic: amended the tolerance limits of total arsenic, deleted the provision for exception of organic arsenic preparation from the original standard; added the tolerance limits in the "hay and its processed products," "palm kernel cake (meal), "algae and their processed products," "crustaceans and their by-products (except shrimp oil), fish and shrimp meals, aquatic mollusks and their by-products (except oil and fat), and other ingredients derived from aquatic animals (except aquatic animal oil and fat)," and included the "fish meal" into "other feed ingredients derived from aquatic animals (except aquatic animal oil and fat), added the tolerance limits in "other mineral feed ingredients," "oils and fats" and "other feed ingredients," and included the "zeolite meal, bentonite, maifanite" into "other mineral feed ingredients," extended the "pig, poultry additive premixed feeds" to the "additive premixed feeds," extended the "pig, poultry concentrated feeds" and "cattle, sheep concentrate supplement feeds" to "concentrate feeds" and "concentrate supplement feeds,"

respectively, deleted the description on conversion by percentage from the original standard; added the tolerance limits in the aquatic product compound feeds" and "fox, raccoon and mink compound feeds," and extended the "pig, poultry compound feeds" to "other compound feeds".

Lead: the tolerance limits in feed ingredients are listed in "single-cell protein feed ingredients," "mineral feed ingredients," "forage grass, roughage and other processed products" and "other feed ingredients," respectively, and shall be no longer listed separately for "bone meal, meat and bone meal, fish meal, stone powder," extended the "laying hens, broiler compound premixed feeds, piglets, fattening pig compound premixed feeds" to "additive premixed feeds," extended the "laying hens, broiler concentrated feeds," "piglets, fattening pig concentrated feeds" to "concentrated feeds," extended the "milk cow, beef cattle concentrate supplement feeds" to "concentrate supplement feeds," and extended the "growing duck, laying duck and meat duck compound feeds, chicken compound feeds and pig compound feeds" to "compound feeds".

Mercury: extended the "fish meal" to "fish, other aquatic organisms and their by-product feed ingredients," added the tolerance limits in the "other feed ingredients," and the tolerance limits shall be no longer listed separately in the "stone powders," added the tolerance limit in the "aquatic product compound feeds," extended the "chicken compound feeds, and pig compound feeds" to "other compound feeds".

Cadmium: extended the "rice bran" as "phytophagous feed ingredients," added the tolerance limits in the "algae and their processed products" and "aquatic mollusks animals and their by-products," and extended the "fish meal" to "other feed ingredients derived from animals," added the tolerance limits in "other mineral feed ingredients," added the tolerance limits in "additive premixed feeds," "concentrated feeds," "calf, lamb concentrate supplement feeds," "other concentrate supplement feeds," added the tolerance limits in "shrimp, crab, sea cucumber, shellfish compound feeds," "aquatic product compound feeds (except the shrimp, crab, sea cucumber, shellfish compound feeds"), and extended the "chicken compound feeds, pig compound feed" to "other compound feeds".

Chromium: deleted the tolerance limits in "leather protein powder," added the tolerance limits in "feed ingredients" "additive premixed feeds for pigs" and "other additive premixed feeds," "concentrated feeds for pigs" and "other concentrated feeds," extended the "pig, chicken compound feeds" to "compound feeds" and reduced their tolerance limit value to 5mg/kg.

Fluorine: the tolerance limits in the feed ingredients are listed for "crustaceans and their by-products," "other feed ingredients derived from animals," "vermiculites," "other mineral feed ingredients" and "other feed ingredients," respectively, and shall be no longer listed for "fish meal," "stone powder," "bone meal, meat and bone meals," extended the "pig, poultry additive premixed feeds" to "additive premixed feeds," and reduced the tolerance limit value to 800 mg/kg; extended the "pig, poultry concentrated feeds" to "concentrated feeds," and the tolerance limit values are provided in united one of 500 mg/kg, deleted the description on conversion by percentage in the from the original standard; extended the "cattle (cows, beef cattle) concentrate supplement feeds" to "cattle and sheep concentrate supplement feeds," expressed the "broiler and growing chicken compound feeds" as "broiler, and growing chick and bred chicken compound feeds," and the tolerance limits are unchanged; included the "growing duck, meat duck compound feeds" and "laying duck compound feeds" into "duck compound feeds," and the tolerance limit values are provided in united one of 200 mg/kg; added the tolerance limits in the "aquatic product compound feeds" and "other compound feeds".

Nitrite: added the tolerance limits in the "main food and its by-products obtained in the process of production of ham rice rolls and other meat products" and "other feed ingredients," included the "corn," "cake rice dregs, wheat bran and middling, rice bran," "grass powder" and "meat meal, meat

and bone meals" into "other feed ingredients," and the tolerance limit value are provided in united one of 15mg/kg; extended the "chicken, duck, pig concentrated feeds," "cattle (dairy, beef) concentrate supplement feeds" and "duck compound feeds" to "concentrate supplement feeds" and "compound feeds" respectively.

Aflatoxin B₁: the tolerance limits in the feed ingredients are listed for "corn processed products, peanut cakes and meals, vegetable oil and fat (except corn oil, peanut oil), "corn oil, peanut oil" and "other phytophagous feed ingredients," included the "corn," "cottonseed cake (meal), rapeseed cake (meal) and soybean meal" into other phytophagous feed ingredients," provided for the tolerance limits in "piglet, chick concentrated feeds," "late meat duck, growing duck, laying duck concentrated feeds" and "other concentrated feeds," added the tolerance limits in calf, lamb concentrate supplement feeds," lactation concentrate supplement feeds" and "other concentrate supplement feeds," provided the tolerance limits in "piglet, chick compound feeds," "late meat duck, growing duck and laying duck compound feeds," and added the tolerance limit in "other compound feeds".

Ochratoxin A: extended the "corn" to "grain and its processed products".

Corn zearalenone: added the tolerance limits in "corn and its processed products (except corn husk, sprayed corn husk, corn syrup dry powder), "corn husk, sprayed corn husk, corn syrup dry powder, corn lee products" and "other phytophagous feed ingredients," added the tolerance limits in "calf, lamb, lactation concentrate supplement feeds," listed the "compound feeds" in the original standard in the "piglet compound feed," "gilt compound feed," "other pig compound feeds" and "other compound feeds".

Deoxynivalenol: added the tolerance limits in the "phytophagous feed ingredients," "calf, lamb, lactation concentrate supplement feeds" and "other concentrate complement feeds," included the "poultry compound feeds" into "other compound feeds".

T-2 toxin: added the tolerance limit in "phytophagous feed ingredients," expressed the "pig compound feeds" and "poultry compound feeds" as "pig, poultry compound feeds," and reduced the tolerance limit value to 0.5mg/kg.

Cyanide: added the tolerance limits in "flaxseed (linseed)" and "other feed ingredients," changed the sesame cake and meal" to "flaxseed (linseed) cakes, flaxseed (linseed) meals," extended the "dry cassava" to "cassava and its processed products," listed the "poultry compound feed" separately and reduced the tolerance limit value to 10mg/kg, and extended the "chicken compound feed, pig compound feed" to "other compound feeds".

Free gossypol: provided for the tolerance limits in the "cottonseed oil," "cotton seeds," "phenolic cottonseed protein, fermented cottonseed protein," "other cottonseed processed products" and "other feed ingredients," and shall be no longer provided for the tolerance limit in "cottonseed cake and meal," added the tolerance limits in "calf concentrate supplement feeds," "other cattle concentrate supplement feeds" and "lamb concentrate supplement feeds," "other sheep concentrate supplement feeds," extended the "growing-finishing pig compound feeds" to "pig (except piglet), rabbit compound feeds," extended the "broiler chicken, growing chicken compound feeds" to "poultry (except laying poultry) compound feeds," included the "laying hen compound feed" and "piglet compound feed" to the "other livestock and poultry compound feeds," added the tolerance limits in "phytophagous and omnivorous aquatic animal compound feeds" and "other aquatic animal feeds".

Isothiocyanate: extended the "rapeseed cake and meal" to "rapeseed and its processed products," added the tolerance limits in "other feed ingredients," added the tolerance limits in "calf, lamb concentrate supplement feeds" and "other cattle, sheep concentrate supplement feeds," extended the "chicken compound feeds, growing-finishing pig compound feeds" to "pig (except piglet), poultry

compound feeds," added the tolerance limits in "aquatic product compound feeds" and "other compound feeds".

Oxazolidinethione: added the tolerance limits in "rapeseed and its processed products," extended the "laying hen compound feeds" to "laying poultry compound feeds," extended the "broiler chicken, growing chicken compound feeds" to "other poultry compound feeds," and added the tolerance limit in "aquatic product compound feeds".

666 (HCH): clarified to calculate the tolerance limit value in the sum of α -HCH, β -HCH and γ -HCH, extended the "rice bran, wheat bran, soybean cake and meal, fish meal" to the "grain and its processed products (except oil and fat), oilseed and its products (except oil and fat), fish meal," added the tolerance limit in "oil and fat," included the "broiler, growing chicken compound feeds, laying hen compound feeds" and "growing-finishing pig compound feeds" to "additive premixed feed, concentrated feed, concentrate supplement feed," and reduced the tolerance limit to 0.2mg/kg.

Clofenotane (DDT): clarified to calculate the tolerance limit value in the sum of *p*, *p*'-DDE, *o*, *p*'-DDT, *p*, *p*'-DDD, *p*, *p*'-DDT, extended the "rice bran, wheat bran, soybean cake and meal, fish meal" to "grain and its processed products (except oil and fat), oilseed and its processed products (except oil and fat), fish meal," added the tolerance limit in the "oil and fat," included the "chicken compound feed, pig compound feed" into the "additive premixed feeds, concentrated feeds, concentrate supplement feeds, compound feeds" in the original standard, and reduced the tolerance limit value to 0.05mg/kg.

Total number of molds: extended the "corn," "wheat bran, rice bran" to "grain and its processed products," extended the "bean cake (meal), cottonseed cake (meal), rapeseed cake (meal)" to "cakes-meals feed ingredients (except fermented products), and reduced the tolerance limit value to 4×10^3 CFU/g; added the tolerance limit in "dairy products and their processed by-products," and reduced the tolerance limit in "fish meal" to 1×10^4 CFU/g; added the tolerance limit value in "other feed ingredients derived from animals" and included "meat and bone meal" in them; and deleted the tolerance limit values in the compound feeds, concentrated feeds and concentrate supplement feeds from the original standard.

Total number of bacteria: extended the "fish meal" to "feed ingredients derived from animals."

Salmonella: extended the "feeds" to "feed ingredients and feed products".

-- Added and modified the test methods for part of items: the test method for 666 and DDT in oil and fat uses GB/T 5009.19, that for chlorobenzene uses SN/T0127, that for polychlorinated biphenyl uses GB 5009.190, that for fumonisin uses NY/T 1970; changed the test method for aflatoxin B₁ to NY/T 2071, that for deoxynivalenol to GB/T 30956, that for ochratoxin A to GB/T 30957, and that for zearalenone and T-2 toxin to NY/T 2071.

This standard is proposed by and put under the National Technical Commission of Feed Industry of the Standardization Administration of China (SAC/TC76).

This standard is mainly drafted by: The China Feed Industry Association, Secretariat of SAC Technical Commission on Feed Industry, National Feed Quality Supervision and Inspection Center (Wuhan), Beijing Institute of Animal Sciences on CAAS, China Agricultural University, Academy of State Administration of Grain, Jiangsu Institute of Microbiology, SAC/TC Sub-commission on Aquatic Product Feeds.

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This standard replaces the previously issued versions of the standard as follows:

GB 13078—1991; GB 13078—2001; GB 13078.1—2006; GB 13078.2—2006; GB 13078.3—2007; GB 21693—2008.

GB 13078 —2017

Hygienic Standard for Feeds

1. Scope

This standard provides for the tolerance limits and test methods of the toxic and hazardous substances and microorganisms in feed ingredients and feed products.

This standard applies to the feed ingredients and feed products listed in Table 1.

This standard doesn't apply to the pet food products and feed additive products.

2. Normative References

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

GB/T 5009.19 Determination of multi-component residues of organochlorine pesticide in foods

GB 5009.190 Determination of indicative polychlorinated biphenyls in foods in the National Food Safety Standard

GB/T 13079 Determination of total arsenic in feeds

GB/T 13080 Atomic absorption spectrometry for determination of lead in feeds

GB/T 13081 Determination of mercury in feeds

GB/T 13082 Methods for determination of cadmium in feeds

GB/T 13083 Ion-selective electrode method for determination of fluorine in feeds

GB/T 13084 Determination of cyanide in feeds

GB/T 13085 Colorimetric method for determination of nitrite in feeds

GB/T 13086 Methods for determination of free gossypol in feeds

GB/T 13087 Method for determination of isocyanate in feeds

GB/T 13088-2006 Determination of Chromium in feeds

GB/T 13089 Methods for determination of oxazolidinethione in feeds

GB/T 13090 Determination of HCH and DDT in feeds

GB/T 13091 Methods for determination of salmonella in feeds

GB/T 13092 Determination of total number of molds in feeds

GB/T 13093 Determination of total number of bacteria in feeds

GB/T 30956 Immune affinity column purification - high performance liquid chromatography for determination of deoxynivalenol in feeds

GB/T 30957 Immune affinity column purification and high performance liquid chromatography for determination of ochratoxin A in feeds

NY/T 1970 Determination of fumonisin in feeds

NY/T 2071 Liquid chromatography tandem mass spectrometry for determination of aflatoxin, corn zearalenone and T-2 toxin in feeds

SN/T0127 Gas chromatography-mass spectrometry, the method for test of HCH, DDT and hexachlorobenzene residues in foods derived from exported and imported foods

3. Requirements

The hygiene index and test method for feeds are listed in Table 1.

Table 1 Hygienic Index and Test Method for Feeds

S/N	Item	Name of Product		Limit	Test Method	Remarks
Inorganic contaminants						
1	Total arsenic mg/kg	Feed ingredients	Hay and its processed products	≤4	GB/T 13079	
			Palm kernel cake (meal)	≤4		
			Algae and its processed products	≤40		
			Crustaceans and their byproducts (except shrimp oil), fish and shrimp meals, aquatic mollusk and its by-products (except oil and fat)	≤15		
			Other feed ingredients derived from aquatic animals (except aquatic animal oil and fat)	≤10		
			Meat meal, meat and bone meal	≤10		
			Stone powder	≤2		
			Other mineral feed ingredients	≤10		
			Oil and fat	≤7		
			Other feed ingredients	≤2		
		Feed products	Additive premixed feeds	≤10		
			Concentrated feeds	≤4		
			Concentrate supplement feeds	≤4		
			Aquatic product compound feeds	≤10		
			Fox, raccoon, mink compound feeds	≤10		
Other compound feeds	≤2					
2	Lead mg/kg	Feed ingredients	Single-cell protein feed ingredients	≤5	GB/T 13080	
			Mineral feed ingredients	≤15		
			Feed grass, roughage and their processed products	≤30		
			Other feed ingredients	≤10		
		Feed products	Additive premixed feeds	≤40		
			Concentrated feeds	≤10		
			Concentrate supplement feeds	≤8		
			Compound feeds	≤5		
3	Mercury mg/kg	Feed ingredients	Fish and other aquatic organism and their by-product feed ingredients	≤0.5	GB/T 13081	
			Other feed ingredients	≤0.1		
		Feed products	Aquatic compound feeds	≤0.5		
			Other compound feeds	≤0.1		

Table 1 (Cont.)

S/N	Item	Name of Product		Limit	Test Method	Remarks
4	Cadmium mg/kg	Feed ingredients	Algae and its processed products	≤ 2	GB/T 13082	
			Phytophagous feed ingredients	≤ 1		
			Aquatic mollusk and its by-products	≤ 75		
			Other feed ingredients derived from animals	≤ 2		
			Stone powder	≤ 0.75		
			Other mineral feed ingredients	≤ 2		
		Feed products	Additive premixed feeds	≤ 5		
			concentrated feeds	≤ 1.25		
			Calf, lamb concentrate supplement feeds	≤ 0.5		
			Other concentrate supplement feeds	≤ 1		
			Shrimp, crab, sea cucumber, shellfish compound feeds	≤ 2		
			Aquatic product compound feeds (except shrimp, crab, sea cucumber, shellfish compound feeds)	≤ 1		
Other compound feeds	≤ 0.5					
5	Chromium mg/kg	Feed ingredients		≤ 5	GB/T 13088-2006 (atomic absorption spectrometry)	
		Feed products	Additive premixed feeds for pig	≤ 20		
			Other additive premixed feeds	≤ 5		
			Concentrated feeds for pig	≤ 6		
			Other concentrated feeds	≤ 5		
			Compound feeds	≤ 5		
6	Fluorine mg/kg	Feed ingredients	Crustaceans and their byproducts	≤ 3000	GB/T 13083	
			Other feed ingredients derived from animals	≤ 500		
			Vermiculite	≤ 3000		
			Other mineral feed ingredients	≤ 400		
			Other feed ingredients	≤ 150		
		Feed products	additive premixed feeds	≤ 800		
			concentrated feeds	≤ 500		
			Cattle, sheep concentrate supplement feeds	≤ 50		
			Pig compound feeds	≤ 100		
			Broiler, growing chick, bred chicken compound feeds	≤ 250		
			Laying hen compound feeds	≤ 350		
			Duck compound feeds	≤ 200		
			Aquatic product compound feeds	≤ 350		
			Other compound feeds	≤ 150		

Table 1 (Cont.)

S/N	Item	Name of Product		Limit	Test Method	Remarks
7	Nitrite (calculated in NaNO ₂) mg/kg	Feed ingredients	The main food products and by-products obtained in the process of production of ham rice rolls and other meat products	≤80	GB/T 13085	
			Other feed ingredients	≤15		
		Feed products	Concentrated feeds	≤20		
			Concentrate supplement feeds	≤20		
		Compound feeds	≤15			
Mycotoxin						
8	Aflatoxin B ₁ μg/kg	Feed ingredients	Corn processed products, peanut cake (meal)	≤50	NY/T 2071	
			Plant oil and fat (except corn oil, peanut oil)	≤10		
			Corn oil, peanut oil	≤20		
			Other plant feed ingredients	≤30		
		Feed products	Piglet, chick concentrated feeds	≤10		
			Late meat duck, growing duck, laying duck concentrated feeds	≤15		
			Other concentrated feeds	≤20		
			Calf, lamb concentrate supplement feed	≤20		
			Lactation concentrate supplement feeds	≤10		
			Other concentrate supplement feeds	≤30		
			Piglet, chick compound feeds	≤10		
			Late meat duck, growing duck, laying duck compound feeds	≤15		
Other compound feeds	≤20					
9	Ochratoxin A μg/kg	Feed ingredients	Grain and its processed products	≤100	GB/T 30957	
		Feed products	Compound feeds	≤100		
10	Corn zearalenone mg/kg	Feed ingredients	Corn and its processed products (except corn husk, gunited corn husk, corn syrup dry powder)	≤0.5	NY/T 2071	
			corn husk, gunited corn husk, corn syrup dry powder, corn lees products	≤1.5		
			Other phytophagous feed ingredients	≤1		
		Feed products	Calf, lamb, lactation concentrate supplement feeds	≤0.5		
			Piglet compound feeds	≤0.15		
			Sow pig compound feeds	≤0.1		
			Other pig compound feeds	≤0.25		
Other compound feeds	≤0.5					

Table 1 (Cont.)

S/N	Item	Name of Product		Limit	Test Method	Remarks
11	Deoxynivalenol (Vomiting toxin) mg/kg	Feed ingredients	Phytophagous feed ingredients	≤5	GB/T 30956	
			Feed products	Calf, lamb, lactation concentrate supplement feeds		
		Other concentrate supplement feeds		≤3		
		Pig compound feeds		≤1		
		Other compound feeds		≤3		
12	T-2 toxin mg/kg	Phytophagous feed ingredients	≤0.5	NY/T 2071		
		Pig, poultry compound feeds	≤0.5			
13	Fumonisin (B ₁ +B ₂)mg/kg	Feed ingredients	Corn and its processed products, corn lees products, corn silage and corn stalk	≤60	NY/T 1970	
			Feed products	Calf, lamb concentrate supplement feeds		
		Horse, rabbit concentrate supplement feeds		≤5		
		Other ruminant concentrate supplement feeds		≤50		
		Pig concentrated feeds		≤5		
		Poultry concentrated feeds		≤20		
		Pig, rabbit, horse compound feeds		≤5		
		Poultry compound feeds	≤20			
Fish compound feeds	≤10					
Natural plant toxin						
14	cyanide (calculated in HCN) mg/kg	Feed ingredients	Flaxseed (linseed)	≤250	GB/T 13084	
			Flaxseed (linseed) cakes, flaxseed (linseed) meals	≤350		
			Cassava and its processed products	≤100		
			Other feed ingredients	≤50		
		Feed products	Chick compound feeds	≤10		
Other compound feeds	≤50					
15	Free gossypol mg/kg	Feed ingredients	Cottonseed oil	≤200	GB/T 13086	
			Cotton seeds	≤5000		
			Phenolic cottonseed protein, fermented cottonseed protein	≤400		
			Other cottonseed processed products	≤1200		
			Other feed ingredients	≤20		

Table 1 (Cont.)

S/N	Item	Name of Product		Limit	Test Method	Remarks
15	Free gossypol mg/kg	Feed products	Pig (except piglet), rabbit compound feeds	≤60	GB/T 13086	
			Poultry (except laying poultry) compound feeds	≤100		
			Calf concentrate supplement feeds	≤100		
			Other cattle concentrate supplement feeds	≤500		
			Lamb concentrate supplement feeds	≤60		
			Other sheep concentrate supplement feeds	≤300		
			Phytophagous and omnivorous aquatic animal compound feeds	≤300		
			Other aquatic product compound feeds	≤150		
Other livestock and poultry compound feeds	≤20					
16	Butyl Isosulfocyanate (in Allyl Isothiocyanate) mg/kg	Feed ingredients	Rapeseed and its processed feeds	≤4000	GB/T 13087	
			Other feed ingredients	≤100		
		Feed products	Calf, lamb concentrate supplement feeds	≤150		
			Other cattle, sheep concentrate supplement feeds	≤1000		
			Pig (except piglet), poultry compound feeds	≤500		
			Aquatic product compound feeds	≤800		
Other compound feeds	≤150					
17	Oxazolidinethione (in 5- Vinyl - oxazole -2- thionone) mg/kg	Feed ingredients	Rapeseed and its processed products	≤2500	GB/T 13089	
			Feed products	Laying poultry compound feeds		
		Other poultry compound feeds		≤1000		
		Aquatic product compound feeds	≤800			
Organochlorine contaminants						
18	Polychlorinated biphenyl (PCB, in sum of PCB28, PCB52, PCB101, PCB138, PCB153, PCB180) μg/kg	Feed ingredients	Phytophagous feed ingredients	≤10	GB 5009.190	
			Mineral feed ingredients	≤10		
			Animal fat, milk fat and egg fat	≤10		
			Other terrestrial animal products, including milk, egg and their products	≤10		
			Fish oil	≤175		
			Fish and other aquatic animals and their products (except fish oil, other fish protein hydrolysate with a fat content of greater than 20%)	≤30		
			Fish protein hydrolysate with a fat content of greater than 20%	≤50		
		Feed products	additive premixed feeds	≤10		
			Aquatic product concentrated feeds, aquatic product compound feeds	≤40		
			Other concentrated feeds, concentrate supplement feeds, compound feeds	≤10		

Table 1 (Cont.)

S/N	Item	Name of Product		Limit	Test Method	Remarks	
19	666 (HCH, in sum of α -HCH, β -HCH, γ -HCH) mg/kg	Feed ingredients	Grain and its processed products (except oil and fat), oilseed and its processed products (except oil and fat), fish meal	≤ 0.05	GB/T 13090		
			Oil and fat	≤ 2.0			GB/T 5009.19
			Other feed ingredients	≤ 0.2			GB/T 13090
		Feed products	Additive premixed feeds, concentrated feeds, concentrate supplement feeds and compound feeds	≤ 0.2			
20	DDT (in sum of p, p'-DDE, o, p'-DDT, p, p'-DD, p, p'-DDT) mg/kg	Feed ingredients	Grain and its processed products (except oil and fat), oilseed and its processed products (except oil and fat), fish meal	≤ 0.02	GB/T 13090		
			Oil and fat	≤ 0.5			GB/T 5009.19
			Other feed ingredients	≤ 0.05			GB/T 13090
		Feed products	Additive premixed feeds, concentrated feeds, concentrate supplement feeds and compound feeds	≤ 0.05			
21	hexachlorobenzene (HCB) mg/kg	Feed ingredients	Oil and fat	≤ 0.2	SN/T 0127		
			Other feed ingredients	≤ 0.01			
		Feed products	Additive premixed feeds, concentrated feeds, concentrate supplement feeds and compound feeds	≤ 0.01			
Microbial contaminant							
22	Total number of molds CFU/g	Feed ingredients	Grain and its processed products	$< 4 \times 10^4$	GB/T 13092		
			Cakes and meals feed ingredients (except fermented products)	$< 4 \times 10^3$			
			Dairy products and their processed byproducts	$< 1 \times 10^3$			
			Fish meal	$< 1 \times 10^4$			
			Other feed ingredients derived from animals	$< 2 \times 10^4$			
23	Total number of bacteria CFU/g	Feed ingredients derived from animals		$< 2 \times 10^6$	GB/T 13093		
24	Salmonella bacteria (in 25g)	Feed ingredients and feed products		Not detected	GB/T 13091		
The tolerance limits listed in this table are content based on 88% of dry substance content (except the total number of molds, total number of bacteria, salmonella bacteria), unless otherwise specified. When the feed ingredients are used separately, the tolerance limit of corresponding compound feed shall be implemented.							

END UNOFFICAL TRANSLATION