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Report Name: MARA Updates Application Requirements for Feed Ingredient and Feed Additive Licenses

Country: China - Peoples Republic of

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Report Highlights:

In late 2019, China's Ministry of Agriculture and Rural Affairs (MARA) published two new announcements tweaking the technical application process for approval of feed ingredients and feed additive licenses.

In late 2019, China's Ministry of Agriculture and Rural Affairs (MARA) issued two notices which update the application process for feed ingredient and feed additive licenses. According to contacts the measures are aimed at better facilitating applications for both domestic and foreign feed manufacturers. These measures lay out new application requirements related to the safety of the product. The second measure institutes a consultation service for applicants.

On November 4, 2019 MARA published Announcement No. 226 titled "Requirements on Application Materials of New Feed Additives, Format on Application Materials of New Feed Additives and Application Forms of New Feed Additives." This announcement clarifies the existing regulatory system and puts in place new requirements for applications for feed ingredient and additive licenses. This announcement became effective on December 4, 2019. The details of which can be found in Annex I.

Following this, on December 4, 2019 MARA issued Announcement No.227: "Establishment of Consultation Service Working System for the Examination and Approval of Feed Ingredients and Feed Additives." This announcement provides guidance on how to obtain a technical consulting service from MARA for applicants of new feed and feed additives. There is no charge for this consulting service.

To apply for this consulting service, applicants should contact MARA's Animal Husbandry and Veterinary Bureau Affairs (+86 10-59192853) or the National Livestock Station (+86 10-59194438).

According to industry sources these two announcements do not significantly change the existing application system. Industry sees these as positive changes, however Post has yet to be able identify an applicant that has gone through the process or used the consultation service since these announcements were enacted.

U.S. feed additive producers must first register their product with MARA through the process outlined in this report. This does not change the requirement that the exporting facilities must then register with the General Administrations of China Customs (GACC). This current list of the approved foreign facilities with specific feed additive products/pre-mixture listed by country/region can be found here. For more information regarding to MARA's product registration requirement and GACC's exporting facility registration, please see USDA report "Roadmap to China's Challenging New Feed Regulatory System". U.S. facilities interested in exporting feed additives, pre-mixtures, concentrate, compound and supplementary feed to China should contact the U.S. Food and Drug Administration at: AskCVM@fda.hhs.gov.

This report contains UNOFFICIAL translation of the two MARA Announcements. The United States industry is recommended to consult with Chinese partners or technical consulting agencies for submitting the applications.

BEGIN TRANSLATION

Appendix 1:

Announcement No. 226 of Ministry of Agriculture and Rural Affairs of the People's Republic of China
In order to further standardize examination and approval of new feed additives, in accordance with the
"Regulations on the Administration of Feed and Feed Additives" and its supporting regulations, Ministry of
Agriculture and Rural Affairs have revised the "Requirements on Application Materials of New Feed Additives",
"Format on Application Materials of New Feed Additives" and "Application Forms of New Feed Additives",
which are hereby published and will take effect on December 4, 2019. The content of the "Requirements on
Application Materials of New Feed Additives" in Announcement, No. 2109 issued by the former Ministry of
Agriculture on June 5, 2014 are abolished at the same time.

Attachments:

- 1. Requirements on Application Materials of New Feed Additives
- 2. Format on Application Materials of New Feed Additives
- 3. Application Form of New Feed Additives

Ministry of Agriculture and Rural Affairs of People's Republic of China November 4, 2019

Attachment 1 - Requirements on Application Materials of New Feed Additives

For application for certificate for new feed additive, an expansion of scope of application for feed additives, and production of a feed additive variety which content is lower than the required amounts specified in "Regulations on Safe Use of Feed Additive" and other regulatory documents (except for products formulated from feed additives and carriers or diluents in a certain proportion), and production of feed additives with major changes in production technology, as well as import of products containing feed additives that have not yet been approved for use in China, the relevant materials shall be prepared in accordance with this standard.

I. Summary of application materials

A brief overview of the applying variety shall be made on aspects of safety, effectiveness, quality controllability, and environmental impact, etc. The summary can be made public.

II. Product name and naming basis, and category

(I) Product common name and naming basis

The common name shall reflect the true attributes of the feed additive product, and the name shall be uniformly used in the application materials.

The common name shall conform to the naming principles of relevant domestic standards (such as pharmacopoeia, national standards, and industry standards) or relevant standards of international organizations (such as the International Union of Pure and Applied Chemistry (IU-PAC)). When it has a US Chemical Abstract (CAS) registration number, the number shall be provided.

For microbial feed additives (including microorganisms for direct feeding and microorganisms to produce fermented feeds), the source of microorganisms, species names (including Chinese names, Latin names, common names or aliases, etc.), strain numbers, and other necessary information shall be provided. The naming of bacteria and fungi shall meet the requirements in the international naming regulations for prokaryotes and the international naming regulations for algae, fungi and plants, respectively.

Feed enzyme preparations shall be named according to the naming principles of the International Union of Biochemistry and Molecular Biology (IUB-MB Enzyme Committee (EC)), and the names of producing strains and strain numbers shall be indicated in brackets.

For other feed additives produced by fermentation, the name of the producing strain and the strain number shall be indicated in brackets.

If the feed additive is an extract, it shall be named according to its source (including Chinese and Latin names of animals and plants, common names or aliases, parts), and the main ingredients shall be indicated; it can also be named

after the main ingredients of the extract, and indicating its source.

(II) Trade name of products

The trade name is the name that the product intends to use when it is sold in the market, and it is unnecessary to provide when it doesn't have one.

(III) Product category

According to product function, the category shall refer to the category name established in the "Catalogue of Feed Additives". If it is beyond the scope of the existing category of the catalogue, provide suggestions for classification according to the actual function of the product.

III. Purpose of product development

It focuses on the product development background, research progress, development goals, product functions, domestic and abroad use approvals in the feed and related industries, product advantages and application prospects, etc.

IV. Product components and their identification reports, physical and chemical properties and safety information

(I) Product components

Provide all or main components of the product, including effective components and other components.

1. Effective components and their content

The effective component is a chemically definable substance, and the common name, chemical name, CAS registration number, molecular formula, chemical structure formula and molecular weight shall be provided; the content is shown in international common units such as %, g/kg, mg/kg, IU/g, etc.

For mixture whose effective components cannot be described by a single chemical formula or components cannot be fully identified, the main characteristic components or similar components shall be provided, and the content shall be in international common units such as %, etc.

Microbial feed additives shall be shown in number of live bacteria per gram or per milliliter of product, that is, CFU/g and CFU/mL.

Feed enzyme preparations shall be expressed in enzyme activity per gram or per milliliter.

2. Other components and their content

In addition to the effective components, other components and their contents shall be stated. When a carrier is added, the name and amount of the formula shall be provided.

Extracts and other components that cannot be described by a single chemical formula or its components cannot be fully identified, category of the other component excluding the effective components shall be stated, and the specific

component content may not be provided.

(II) Identification report

Chemically definable substances: The effective components of the applying product shall be accurately identified, and the main instruments and test methods used for confirmation experiments, such as infrared spectrum, ultraviolet spectrum, mass spectrometry, nuclear magnetic resonance, and characteristic reactions of chemical functional groups shall be described.

Feed enzyme preparations: Identification reports shall be provided to prove the source and structure of the enzyme preparations.

Microbial feed additives: Reports identifying at least to the level of species or subspecies shall be provided through methods such as morphology, physiological and biochemical characteristics, and molecular biological characteristics of the strain. For genetically engineered strains, agricultural GMO safety certificates shall be provided. The above said report shall also be provided for the microbial strains used in production of feed additives.

Plant extracts: A characteristic map containing the aforementioned active components and other components shall be provided.

(III) Appearance and physical properties

For solid products, data such as color, odor, particle size distribution, density, or test weight etc. shall be provided; for liquid products, data such as color, odor, viscosity, density, and surface tension shall be provided.

(IV) Physical and chemical properties of effective components

According to properties of product, the boiling point, melting point, density, vapor pressure, refractive index, specific rotation, solubility in common solvents, stability to light or heat, ionization constant, electrolytic performance, and other data of the effective components shall be provided. Relevant information may come from data published publicly by international agencies (such as CAS, IUPAC, etc.) or measured by the applicant.

(V) Product's safety information

According to the nature of the product, information such as hazard description, spill emergency treatment, handling and storage, contact control and personal protection, first aid measures, and waste disposal etc. shall be provided.

V. Product functions, scope of application and use method

The product function shall explain its role with brief introduction of the mechanism of function, which shall be supported by experimental data or published literature.

The scope of application and method of use shall indicate the applicable animal species, production stages, recommended dosage and precautions. If necessary, the maximum recommended amount of the product in compound feed or fully mixed diet shall be provided. The relevant content shall be supported by test data on evaluation of safety

and effectiveness.

VI. Production process, manufacturing method and product stability test report

(I) Production process and manufacturing method

Process flow chart and process description of production shall be provided. The flow chart shall be in the form of equipment diagrams, which fully reflect the entire production process; the process description shall correspond to the flow chart exactly, focusing on the methods and technical parameters used in each step of raw materials, equipment and production process (for chemical synthesis, it shall include temperature, pressure, reaction time, pH etc.; for extractives, it shall include extraction solvent, extraction time, extraction times, separation materials or equipment etc.), and control indicators for intermediate product shall also be provided (if any).

For microorganisms and their fermented products, subculture of production strains, genetic stability, medium components, preservation and necessary rejuvenation methods, and other materials shall also be provided. For improved strains that are mutagenized, mutation conditions and procedures shall be provided.

(II) Product stability test report

Stability tests include influencing factor tests, acceleration tests, and long-term stability tests. The report of stability test conducted in accordance with the relevant technical guidelines of the Ministry of Agriculture and Rural Affairs shall be provided.

VII. Draft product quality standards, preparation instructions and inspection reports

- (I) Draft product quality standard: It shall be prepared in accordance with "Guidelines for Standardization Work, Part 1: Structure and Preparation of Standards" (GB/T1.1) and "Rules for Standard Preparation, Part 10: Product Standards" (GB/T20001.10).
- (II) Preparation explanations: The basis for setting the indicators in the quality standard shall be explained. The setting of indicators shall meet the requirements of relevant regulations and standards and be consistent with the actual test situation. For the quoted international standard, its original text and Chinese translation shall be provided, and the original text of the other domestic industry standards shall be provided.
- (III) For newly established test methods, verification reports from at least three third-party organizations with inspection qualifications shall be provided.
- (IV) Inspection report: inspection reports of three batches of product performed by the applicant on its own or issued by a commissioned agency with inspection qualifications. The testing items shall be consistent with the quality standards and the specified testing methods shall be adopted.
- (V) For products with maximum limit, test methods for effective components in compound feeds, concentrated feeds,

concentrate supplements or additive premixed feeds shall be provided according to their applicable animals.

VIII. Requirements for safety evaluation materials

It includes target animal tolerance evaluation report, toxicological safety evaluation report, metabolism and residue evaluation report, and strain safety evaluation report. The evaluation test shall be carried out in accordance with the technical guidelines issued by the Ministry of Agriculture and Rural Affairs or national and industrial standards. If the Ministry of Agriculture and Rural Affairs has not issued a guideline and there are no national or industry standards, it may refer to technical specifications or guidelines issued by international organizations such as the World Health Organization (WHO) and the Organization for Economic Cooperation and Development (OECD), etc. The target animal tolerance evaluation report, toxicological safety evaluation report, and metabolism and residue evaluation report shall be issued by an evaluation test institution designated by the Ministry of Agriculture and Rural Affairs. The unit that issued the evaluation report shall not be the research and development unit or manufacturing enterprise of the applying product, or it shall not have an interest relationship with the research and development unit or manufacturing enterprise.

- (I) Target animal tolerance evaluation report.
- (II) Toxicological safety evaluation report. Including acute toxicity test, genetic toxicity test (mutagenicity test), 28-day oral toxicity test, sub-chronic toxicity test, teratogenicity test, reproduction toxicity test, chronic toxicity test (including carcinogenicity test) and other toxicity evaluation. The evaluation method shall refer to the technical guidelines of the Ministry of Agriculture and Rural Affairs or the national and industry standards.
- (III) Metabolic and residue evaluation report. Compounds shall be evaluated for metabolism and residues, except in the following cases:
- -It is naturally present in feed materials and of high content;
- -Compounds or metabolic residues are normal constituents of animal body fluids or tissues;
- -Proven that it will be excreted in prototype or will not be absorbed;
- -Absorbed in physiological mode and in physiological level of compounds in the body;
- -Extrapolation of data as specified in the Technical Guidelines of the Ministry of Agriculture and Rural Affairs, national or industry standards.
- (IV) Strain safety evaluation report. For feed microbial additives and microbial strains used in the production of feed additives, safety of the strain shall be evaluated. Through microbial phenotypic test, molecular biology test and whole genome sequence (WGS) analysis, combined with relevant literatures, to evaluate the pathogenicity and toxic metabolite production ability of the strains to be evaluated (for feed additives produced through microbial fermentation, the toxic metabolites produced by production strains shall be measured) and antimicrobial resistance was

comprehensively evaluated.

(V) The safety evaluation report of the product by authoritative institutions at home and abroad, the literature on the safety of the product published by authoritative publications at home and abroad, and other reports or literature that can prove the safety of the product shall be provided.

IX. Requirements for effectiveness evaluation materials

- (I) Provide the test report issued by the effectiveness evaluation test institution designated by the Ministry of Agriculture and Rural Affairs; the effectiveness test of target animals shall be conducted in accordance with the technical guidelines issued by the Ministry of Agriculture and Rural Affairs or national and industry standards. Cases where extrapolation of data is available according to the requirements in the Technical Guidelines of the Ministry of Agriculture and Rural Affairs, national or industry standards shall be excluded.
- (II) According to the product use, the test report of characteristic efficacy determined according to technical specifications or recognized methods, such as antioxidant efficacy and antifungal efficacy test shall be provided. The test shall be conducted on representative products in the applicable feed category of the applying product. The test report shall be issued by a college or university, a scientific research unit, or a testing institution at the provincial or ministerial level.
- (III) Test reports or evaluation reports on the effectiveness or characteristic efficacy of the target animal of this product by authoritative institutions at home and abroad, literature on the effectiveness or characteristic efficacy of the target animal of this product issued by authoritative publications at home and abroad, and reports or literatures that can prove the effectiveness or characteristic efficacy test of the target animal of the product.

The issuing unit of the evaluation report shall not be the research and development unit of the applying product, the signed unit or production enterprise that publishes the literature, or it shall have not an interest relationship with the research and development unit or production enterprise.

X. Analysis report on possible effects on human health

According to the safety, effectiveness and metabolism, residue and other data and literature and related product information, the risk assessment method shall be used to evaluate and analyze the possible effects of feed additives on human health and forms a report.

XI. Label style, packaging requirements, storage conditions, shelf life and precautions

The label style shall comply with the provisions of the "Regulations on the Administration of Feed and Feed Additives" and the "Feed Labeling Standards" (GB 10648).

The determination of packaging requirements, storage conditions and shelf life shall be based on the data of stability test.

XII. Summary of pilot production and "three wastes" treatment report

(I) Summary of pilot production

Including time and place of the pilot test, number of products produced (at least 5 consecutive batches), batch number, batch size, detailed production and inspection report of each batch of pilot products, problems found in the pilot test and treatment measures.

(II) "Three Wastes" Treatment Report

The "three wastes" generated during the production process and treatment measures shall be described.

XIII. Joint Applying Agreement

Where the application is jointly made by two or more units (the applying unit shall be a research and development unit or manufacturing enterprise that participates in product research and development jointly), a joint applying agreement specifying the ownership of the intellectual property rights, and the applicants sequence, division of responsibilities, etc. signed by all units shall be provided and it shall be promised not to repeat the application for the same product. The agreement shall be signed by the legal representative of each unit and affixed with the official seal of the unit.

XIV. Other materials

Other supporting documents and necessary materials, such as test report that further demonstrates the safety of the applying product shall also be provided.

XV. References

The main references cited in product research, development and production shall be provided, which shall be marked at the citing positions, and important documents shall be attached in full. Indicate whether the effective components mentioned in the reference materials are consistent with the type of feed additive applied, and explain the detailed sources of relevant information, such as databases, standards, research reports, journals and books, etc.

Attachment 2 - Format on Application Materials of New Feed Additives

I. Format of application materials

- (I) The application materials include relevant content in the "Application Forms of New Feed Additives" and "Requirements on Application Materials of New Feed Additives".
- (II) The "Application Forms of New Feed Additives" shall be downloaded from the website of the Ministry of Agriculture and Rural Affairs, and the font size and form structure shall not be changed at will.
- (III) The main body of the application materials shall be printed in A4 size paper and typed in small No. 4 Song typeface (English words and numbers shall be in Times New Roman font format). All materials except signatures must not be handwritten.
- (IV) The detection, test and appraisal report shall be stamped with the official seal of the report issuing unit, and signed by the person in charge and the detection and test personnel, as well as the original shall be provided. Foreign language materials shall be submitted together with its Chinese translation.
- (V) The application materials shall be made duplicate (one is original, and one is copy, the copy shall be made two-sided). The materials' catalog shall be according to the content order stipulated by the pre-review opinion, such as "1-1, 1-2, ... 2-1 ...". Pages of each chapter shall be independently numbered and shall be bound in loose-leaf according to the content order, and each chapter shall be marked by bookmark or other obvious signatures. After the materials are bound, the riding seal of the applying unit shall be stamped on the side of the entire book.
- (VI) At the same time as submitting the written application materials, two CD-ROMs whose content is identical with the paper materials are also required. Each chapter shall be made into a separate PDF file, which named after the chapter number and chapter title.
- II. Filling in the related forms
- (I) Common name: Fill in the common name consistent with the content of the text.
- (II) Product category: Fill in the product category consistent with the content of the text. If it is "other category", it shall also be explained on the horizontal line behind.
- (III) Application type: Black out the corresponding type of box (■).
- (IV) Name of the applicant: fill in the name of the unit with legal person status, which can be the developer or production enterprise, and the official seal shall be affixed. If multiple applicants apply jointly, fill in the relevant information of the first applicant.
- (V) Legal representative: fill in the name of the applicant's legal representative. If multiple applicants apply jointly, fill in the relevant information of the first applicant.
- (VI) Applicant's registered address and postal code: fill in the registered address and postal code of the legal person. If multiple applicants apply jointly, fill in the relevant information of the first applicant.

- (VII) Applicant's postal address and postal code: fill in the postal address and postal code of the applicant. If multiple applicants apply jointly, fill in the relevant information of the first applicant.
- (VIII) Contact person, fax, fixed phone, mobile phone, e-mail address: fill in the name and corresponding contact information of the person in charge of the application unit who is responsible for the approval application. For joint application, the applicant shall determine a contact person and give his/her contact information.
- (IX) Application date: fill in the date when the materials submitted by the applicant.
- (X) Common name: Fill in the common name consistent with the text.
- (XI) Appearance and physical properties: describe the color, odor, and properties of the product (powder, granules, crystals, lumps, semi-solid, liquid, etc.).
- (XII) Commodity name: fill in the commodity name consistent with the main text.
- (XIII) Product category: Fill in the product category consistent with the text.
- (XIV) Whether a GMO product: Blacken the corresponding box (■).
- (XV) Shelf life: Fill in the shelf life consistent with the text.
- (XVI) Composition, chemical formula or description, content, and detection method: in the "composition" column, fill in the names of each effective component and other components one by one; in the "chemical formula or description" column, for the chemically definable substance, fill in the chemical formula, and for others, fill in the description; in the "Content" column, fill in the typical analytical value of the effective component; for other components, fill in the content of other components excluding the effective ones; if a carrier is added, fill in the carrier name and its content; for mixture with its other components cannot be described in a single chemical formula or cannot be fully identified, such as extracts, category of components other than effective ones shall be filled in, and the specific component contents may not be provided; in the "Test Method" column, for those are tested in accordance with the current national or industry standards, the standard name and number can be filled in, otherwise, the abbreviation of the test method (such as "high performance liquid chromatography") shall be filled in. If there is a maximum limit in compound feed or full mixed diet, the test method of the corresponding component in the feed product shall be provided.
- (XVII) Scope of application, recommended addition amount and maximum limit in compound feed or fully mixed diet, precautions for use: fill in the applicable animal species, production stage, and recommended addition amount in compound feed or fully mixed diet; If there is a maximum limit, the maximum limit in compound feed or fully mixed diet shall be filled in; if there are special requirements during use, the precautions for use shall be filled in.
- (XVIII) Brief description of production process: fill in the main production process, which shall be no more than 150 characters.
- (XIX) Name and address of applicant: Fill in the unit name, correspondence address and postal code one by one according to the applicant's order. The corresponding box in the characteristic column shall be blackened (■) and shall

be signed by the legal representative of each unit and stamped.

Attachment 3 - Application Forms of New Feed Additives
Common name:
Product category:
Application type:
□Application for certificate of new feed additive □
□Application for expansion of the scope of use of feed additive
□Apply for production of feed additive category whose content is lower than the requirement in regulatory documents
such as "Feed Additive Safety Use Guidelines"
☐ Apply for production of feed additive with major changes in the production process
☐ Apply for import of products containing feed additives that have not been approved for use in China
☐ Other cases regulated by the Ministry of Agriculture and Rural Affairs
Applicant Name: (official seal)
Legal representative:
Applicant's registered address:
Postcode:
Applicant's mailing address:
Postcode:
Contact person:
Fax:
Tel:
Phone:
E-mail:
Applying date: Day Month Year
Ministry of Agriculture and Rural Affairs of the People's Republic of China
20XX

Common name				Appearance and physica properties			Commodity name	
Product category:				Whether it is a GMO product		□Y □N	Shelf life	
Ingredient		Chemical formula or description		Content		Test method	Test method of compound feed (if applicable)	
Active	1							
component								
Other	1							
components								
Scope of application			Recommended a compound feed or	dding amount in fully mixed diet	Maximum feed or full		_	Precautions in use
Scope of application 1								
Scope of application 2								
		Br	rief description of p	production process (less than 15	0 charact	ers)	
Applicant Information			(First Applicant)		(Second Applicant)			
Company name								
Address								
Nature			☐ Developer		□Develop	er		
			☐ Manufacturer		□Manufac	turer		
Signature and seal of legal representative								

Appendix 2:

Announcement No. 227 of Ministry of Agriculture and Rural Affairs of the People's Republic of China

In order to implement the spirit of reform of the administrative examination and approval system, to further implement the requirements of "Streamline administration and decentralization, combine decentralization and management, and optimize services", and to encourage the development and research of new varieties of feed and feed additives, as well as to help feed enterprises and relevant technical institutions (hereinafter referred to as applicants) improve their research and development capabilities, according to suggestions from multiple channels, our Ministry establish a working system for the examination and approval and consultation service of feed ingredients and feed additives. The relevant matters are announced as follows.

I. Scope of consulting services

If the applicant intends to apply for a new feed and new feed additive certificate, intends to apply for extension of the scope of application of feed additives, and intends to apply for production of feed additive which content is lower than the required amounts in "Regulations on Safe Use of Feed Additive" and other regulatory documents (except for products formulated from feed additives and carriers or diluents in a certain proportion); intends to apply for production of feed additives with major changes in production technology, intends to apply for import of products containing feed ingredients and feed additives that have not yet been approved for use in China, and intends to apply for inclusion of materials or additives into the "Catalogue of Feed Materials" or "Catalogue of Feed Additive Varieties", the applicant may apply for consulting services in accordance with the provisions of this announcement.

II. Consulting materials requirements

The applicant shall submit a written application to the Animal Husbandry and Veterinary Bureau of the Ministry of Agriculture and Rural Affairs and submit the following information: product common name, product category, product development purpose, product composition, appearance and physical properties, product function, scope of application, use method, production process and manufacturing methods, basic information on application of the product in related industries at home and abroad, and relevant scientific literature, reports, or test results that have been collected to prove its safety and effectiveness. The applicant may refer to the "Requirements on Application Materials of New Feed Additives" (Announcement No. 226 of Ministry of Agriculture and Rural Affairs) to prepare the relevant materials ".

III. Consulting service procedures

After receiving the written application and related materials, the Animal Husbandry and Veterinary Bureau of the Ministry of Agriculture and Rural Affairs will check the consulting materials within 5 working days. If no additional materials are needed, the National Feed Evaluation Committee will be convened to hold a consultation meeting, and the experts of the consultation meeting will examine the applying matters through discussion and provide opinions and suggestions. The Animal Husbandry and Veterinary Bureau of the Ministry of Agriculture and Rural Affairs shall notify the applicant in writing within 5 working days after receiving the consultation opinions and suggestions.

Application of consulting services shall be made for free by the applicant. Consulting services are not a pre-procedure for administrative approval, and not a basis for making administrative approval decisions. If you have any questions during the application process, please contact the Animal Husbandry and Veterinary Bureau of the Ministry of Agriculture and Rural Affairs (Tel010-59192853) or the National Livestock Station (Tel: 010-59194438).

Ministry of Agriculture and Rural Affairs of People's Republic of China November 4, 2019

END TRANSLATION

Attachments: No Attachments.