

REGULATION ON PLACING FEEDS ON MARKET AND THEIR USAGE

Empowering Law: 5996

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FIRST CHAPTER

Purpose, Scope, Grounds and Definitions

Purpose

ARTICLE 1 – (1) Purpose of this Regulation is to provide feed reliability of which general principles are determined in the Law no. 5996 at the highest level, protect animal health and public health, provide users and consumers with sufficient information and arranging conditions related to placing feeds on market and their usage.

Scope

ARTICLE 2 – (1) This Regulation covers provisions about medicated feeds, unwanted substances in feeds, feed additives, animal side products produced without purpose of human consumption, genetically modified feeds, organic products, reserving the provisions in proper regulations imposed regarding with transmissible bovine spongiform encephalopathy, placing feeds which are produced for animals bred for food purposes and animals bred without food purposes on market and usage, labeling and packaging of them.

(2) This Regulation does not cover water which is directly or indirectly consumed by animals. It only covers feed prepared for adding into water.

Grounds

ARTICLE 3 – (1) This Regulation is prepared,

a) in pursuant of articles 21, 22 and 24 of Veterinary Services, Plant Health, Food and Feed Law no. 5996 and dated 11/6/2010,

b) in parallel to European Union Bylaw no. 767/2009 and dated 13/7/2009 on Placing Feeds on market and Their Usage.

Definitions

ARTICLE 4 – (1) In the implementation of this Regulation following definitions are provided with their meaning;

a) Ministry: Ministry of food, agriculture and livestock,

b) Contaminated feed: Feed including unwanted substances above acceptable levels,

c) The shortest storage life: Under proper storage conditions, guaranteed time for protection of stated features regarding to feed by person who is responsible for feed labeling,

- ç) Label: Tag, symbol, picture, writing, print, pattern, marking, embossment and other definitive object added or inserted on package or container of feed,
- d) Labeling: Expressions, features, trade markings along with feed and defining feed including advertisement purpose, announcement of information such as brand name, picture or symbol via tools such as package, cover, label, document, ring, strap of feed or internet,
- e) House and decoration animal : Animal fed, bred or raised by humans but not used for human consumption,
- f) Animal with food purpose: Animal fed, bred or raised with the purpose of food production or used for human consumption,
- g) Animal without food purpose: Fur animals, house and decoration animals, animals accommodated in laboratories, zoos and circuses which are fed, bred or raised by humans but not used for human consumption,
- ğ) Daily ration: Daily total feed amount calculated over 12% moisture content, required by an animal with specific species, age and yield in order to meet its all nutrient needs,
- h) Mouth feeding of animals: Incepting feed to animal for meeting animals' nutrient needs and/or maintaining yield of a healthy, normal animal,
- ı) Processing helpers: Substances which are not consumed alone as feed, used with technological purposes during processing of feeds and feed substances, have possibility to leave remnants that cannot be technically prevented but have no negative effects on animal, human or environment and have no technological effect on final product,
- i) Plant: Facility operating in feed business sector,
- j) Mixed feed: at least mixture of two feeds including feed additives or not, in the form of full or supplementary feed in order to incept animals,
- k) Fur animal: Animal which is fed, bred or raised for its fur, not used for human consumption,
- l) Mineral fed: Complementary feed including 40% pure ash at least,
- m) Special feeding purpose: Meeting special food needs by giving feeds which are convenient for their conditions since their digestion, absorption or metabolism functions are temporarily or permanently disrupted or liable to disruption,
- n) Feed with purpose of special feeding: Feed which is able to meet special feeding purpose via its own special compound or production method, not including contaminated feeds and different from the other feeds,
- o) Batch and serial: an amount of feed separable in terms of possessed common features such as origin, type, package type, packager, sender labeling, a facility's production amount per

unit during production process using uniform production parameters or number of units in case of mass-production and joint storage,

ö) Placing on market: Placing feeds under this Regulation on market with or without payment,

p) Premix: A feed substance that is not directly incepted to animals, a mixture of feed additives or used as a transmitter for one or more feed additives or its mixture with water,

r) Presentation: Presenting and pormoting of feed via its shape, appearance, package, used packaging materials,

s) Water placement feed: mixed feed which is given for feeding of young animals such as calf, sheep, capricorn goat in a solid or liquid form via diluting, as a complementary or replacement after colostrum,

ş) Full feed: Mixture of feed which is sufficient for daily ration in terms of its compound,

t) Complementary feed: Mixed feed which is rich in terms of specific substances due to its compound, sufficient for daily ration when it's used with another feed,

u) Transmitter: Substance used for dissolving, diluting, diffusing or physically modifying that additive or facilitating its transmission, application without modifying technological function of a feed additive or reducing its technological effect,

ü) Feed: Any kind of substance or product including partly processed or unprocessed feed additives used for oral inception of animals,

v) Feed business: activity related to manufacturing, processing, storing, shipping and marketing of feed by state institutions and organizations and legal and natural persons including manufacturers engaged in production, process and storage in order to feed their own animals with or without profit purposes,

y) Feed operator: Legal or natural person who is legally responsible for compliance of feed business of which is operated under his responsibility with provisions of this Regulation,

z) Feed additive: substances, microorganisms or preparations which have one or more of functions defined for feed additives, are added into feed or water except for feed additives and premixes,

aa) Feed additives: Vegetable or animal foods meeting animals' nutrient needs in a natural, fresh, preserved form and products created after industrial process of them and organic or inorganic substances with or without feed additives which are used as transmitter in premixes for preparation of mixed feeds in a direct way or by processing in order to feed animals.

SECOND CHAPTER

General Provisions

Feed reliability and placing feed on market

ARTICLE 5 – (1) If feed is reliable and has no direct negative effect on animal and environment welfare, it can be placed on market and used. Unreliable feed cannot be placed on market.

(2) Feed operator is liable for;

a) feed placed on market by himself being reliable, in compliance with stated features and its purpose, undisrupted and in commercially required quality,

b) its labeling, packaging and placing on market in compliance with the legislation.

(3) Feed shall be in compliance with technical specifications stated in Appendix 1.

(4) Feed requiring approval cannot be produced, imported or placed on market without Ministry's approval. Feeds requiring receiving approval are feed additives and feeds with special feeding purposes.

Responsibilities and liabilities of feed operators

ARTICLE 6 – (1) Feed operators are liable for obeying the rules about monitoring of feeds, recalling from market and hygiene stated in the relevant feed legislation and providing compliance with legislation in each step of production, process and distribution under their responsibility.

(2) Feed operator labeling feed is liable for providing every kind of information required by Ministry in order to verify feed additive names used in mixed feed, labeling information including exact weight ratios, claimed features and contents of feed placed on market.

(3) In case of an emergency related to human and animal health or environment, by reserving relevant legal rights of manufacturer and buyer, if deemed appropriate by Ministry and upon buyer's request, some information stated in the second subclause can be provided against signed assurance.

Restrictions and prohibitions

ARTICLE 7 – (1) Feeds placed on market for animal feeding purpose cannot include prohibited substances, can include restricted substances in only determined limits. Prohibited substances and restricted substances are stated in Appendix 2. Until modification procedure to be implemented under conditions that require taking sudden measures is completed, Ministry can temporarily prohibit or restrict the usage of some feed substances as precautionary measure.

THIRD CHAPTER

Placing Feed with Specific Qualities on Market

Features of feed types and contents of feed additives

ARTICLE 8 – (1) Ministry can determine differential features regarding feeds with the purpose of clarifying distinction between feed substances, feed additives, veterinary medicals and such other products.

(2) Under required conditions, Ministry can decide whether the said product will be considered as feed or not by making an assessment within the scope legislation provisions regarding a new product.

(3) Feed additive levels in feed substances and complementary feeds, reserving the usage rights on relevant legislation about feed additives, cannot exceed hundred times of maximum amounts determined for full feeds. Koksidiots and histomonostats cannot exceed five times of amounts determined for full feeds.

(4) Additive level in feed substances and complementary feeds to be used in feed preparation with the purpose of special feeding stated in article 9 can exceed three times of maximum amount determined for full feeds in article 3. Regarding this kind of feeds,

a) Using conditions are separately specified.

b) Plants which manufacture by using feed additives specified in the second chapter of Appendix 6 of Feed Hygiene Regulation receive approval from Ministry.

Placing feeds with special feeding purpose on market

ARTICLE 9 – (1) Feeds with special feeding purpose can only be placed on market if they meet targeted goals for feeds with special feeding purpose and have necessary nutrient features.

(2) Feeds with special feeding purpose shall have at least one special usage purpose about their usage purposes. Ministry can recall usage purpose of feeds with special feeding purpose, add specific terms regarding usage purpose, remove or modify. Usage purpose list about feeds with special feeding purpose created by Ministry is published on Ministry's web site. This list is updated via modifications.

(3) Natural or legal entities make an application to Ministry for the purpose of feeds with special feeding purposes. Information and documents displaying that the said feed is a special kind of feed, meets required special feeding purpose, has no negative effect on human and animal health, environment and animal welfare are presented to the Ministry.

(4) Ministry assesses the application regarding feeds with special feeding purpose by taking its grounds on available scientific and technological information and approves that feed as a feed with special feeding purpose provided that it meets the requirements specified in the first and second subclauses. Files which are not deemed appropriate are returned via a reasoned writing. Ministry finalizes application regarding to feeds with special feeding purpose within six months. Elapsed time for information, document, research and analyzes to be demanded during application are not included in this time period.

FOURTH CHAPTER

Labeling, Presentation and Packaging

Labeling and presentation

ARTICLE 10 – (1) Labeling and presenting feed cannot be made in an elusive and mistaken way for users. In labeling and presenting;

a) According to feed feature or its usage purpose, especially its shape, process or production method, quality, compound, amount, durability are taken into consideration for animal species or categories that feed is targeted.

b) Displaying as if feed possesses some effects or features which it actually doesn't possess or despite of having same features with similar feeds, it cannot be presented as if it has different features than the others.

c) Labeling shall be in compliance with the rules regarding labeling and criteria specified in feed catalogue.

ç) Feeds to be placed on Turkish market contains Turkish label information.

(2) In the case of placing feed substances and mixed feeds in bulk, open package or cover, a document containing all label information required by this Regulation is kept along with it.

(3) In case of distance selling of feeds via media, for the purpose of protecting consumers before selling, batch or serial number, the shortest storage life, net weight except for the name and address of feed operator responsible for labeling which are information required to be on label are displayed in media. Other information should be provided to receiver until time of delivery.

(4) Labeling is made in compliance with labeling rules specified in Appendix 3 in addition to rules specified in this article.

(5) During official controls, tolerance values to be used in assessing the difference between nutrient compound values specified in label information of a feed substance or mixed feed and values found after analysis made for official control are given in Appendix 4.

Responsibility regarding labeling

ARTICLE 11 – (1) Feed operator who labeled feed is responsible for label information and accuracy of feed.

(2) Feed operator who has marketed feed firstly or marketed on behalf of company is responsible for labeling.

(3) If modification in activities under control of feed operator requires modification in feed label information, feed operator assures that this labeling is carried out in compliance with this Regulation.

(4) Feed operator operating distribution or retail activities who has no direct responsibility in feed labeling pays attention to whether it is labeled in compliance with feed labeling rules or not, cannot place feeds which are not in compliance with labeling rules on market.

(5) Feed operator is responsible for activities under his control in terms of providing communication of required labeling information to its final user during feed chain.

Especial claims regarding feeds in labels

ARTICLE 12 – (1) In label or presentation of feed substances and mixed feeds, remarkable claims about prevalence or lack of a substance in feed, specific nutrient features, process or specific function may be asserted. In order to assert these claims following requirements should be met:

a) Claimed subject, fact should be verifiable by Ministry and understandable by feed user.

b) Upon Ministry's request, scientifically proving of claim is made via either reference taking their grounds on scientific proofs which are open to public access or documented company research. Scientific basis related to proving claimed subjects should be provided before placing feed on market. If the conclusion is that claimed subject cannot be proved, labeling about such claim is considered as decisive in accordance with labeling rules specified in article 10. If Ministry has a suspicion about scientific basis, it makes a decision by doing required investigation and researches or having them done. Persons purchased such feeds have the right to forward their suspicion about verification of claimed subject to Ministry.

(2) Provided that terms in subparagraphs (a) and (b) of first subclause are met, except for claims about subjects specified in subparagraph (a), claims related to protection, support or physiological conditions of animals or their optimum feeding can be asserted.

(3) Following claims cannot be included in labels or presentations of feed substances and mixed feeds:

a) Koksidiostats verified in accordance with feed additives legislation, except for histomonostat, claims regarding stopping or curing illness. However claims about meeting nutrient unbalances except for treatment of their patalogic symptoms are otherwise.

b) Claims about feed with special purposes specified in article 9.

(4) special provisions about subjects specified in the first and second subclauses, can be kept in good labeling application guides specified in article 24.

Presentation of label information

ARTICLE 13 – (1) Required label information should be visible on all package or covering or label attached to these or in documents along with feeds in bulk. Label information should be apparent, visible, readable and inerasable.

(2) Required label information should be easily distinguishable and they shouldn't become difficult to understand with other information. Color, writing, font and largeness of label

information must be in a manner which will cover some information as if they were important, with the exception of when warning instructions are necessary.

(2) Required label information should be easily distinguishable and they shouldn't become difficult to understand with other information. Color, typeface and font size used in presenting label information shouldn't be covering some information or highlighting them as if they were important except for the cases where warning statements are necessary.

(3) Special provisions about subjects specified in the first and second subclauses and special provisions about presentation in optional labeling can be kept in good labeling application guides specified in article 24.

Compulsory general labeling rules

ARTICLE 14 – (1) A feed substance or mixed feed of which following information are not stated in label cannot be placed on market:

- a) Feed type : such as feed substance, full feed or complementary feed,
- b) Name of feed operator or name and address of company,
- c) Approval number of approved feed plants,
- ç) Batch or serial number,
- d) Unit mass amount for solid products, unit mass or volume amount of liquid products,
- e) Reserving rights in labeling rules specified in relevant legislation about verification of feed additives, in case of adding feed additives, feed additives list pursuant to subjects specified in the first chapter of Appendix 6 or Appendix 7,
- f) Moisture amount; as specified in article no. six of Appendix 1.

Compulsory special labeling rules for feed substances

ARTICLE 15 – (1) Following subjects are specified in addition to terms regarding feed substances labeling specified in article 14:

- a) Name of feed substance shall be in compliance with criteria specified in catalogue provided that it is named in accordance with feed substances catalogue in article 23.
- b) Compulsory notifications corresponding to feed categories are included in list in Appendix 5 or instead of these special notifications corresponding to feed substances in feed substances catalogue specified in article 23.

(2) In case of adding feed additives to feed substances, in addition to subjects specified in the first subclause, following subjects are included in labels:

- a) Provided that usage of aforesaid feed additives are intended for some species, not all animal species, or usage for some species in maximum limits is allowed, animal species, categories and limits of feed substances to be used,
- b) Information specified in article number three in Appendix 3 regarding feed substances for usage of feed substances,
- c) The shortest storage life for feed additives except for technological additives added into feed additives.

Compulsory special labeling rules for mixed feeds

ARTICLE 16 – (1) Following subjects are stated in addition to terms regarding mixed feed labeling specified in article 14 :

- a) Animal species or category of mixed feeds to be used,
- b) Explanation about usage purpose and appropriate usage of feed should be in compliance with subjects specified in article number three of Appendix 3.
- c) In cases where manufacturer's producing on behalf of someone else and not being feed operator responsible for labeling, following subjects are specified in label:
 - 1) Name or commercial name and address of feed operator producing feed,
 - 2) Approval number or registering number of feed operator producing feed.
- ç) The shortest storage life is specified as following:
 - 1) Exact date "should be consumed before..." expression is included in easily damageable feeds because of their compound features.
 - 2) "Best consume before..." expression is included in other mixed feeds by stating a specific month.
 - 3) If production date is displayed on label, the shortest storage life is specified as daily or monthly time period beginning from its production date.
- d) According to their weight calculated according to the moisture content in karma feed, where the names of the feed which constitute the karma feed are defined, are listed from small to big. The list can be given in percentages. Concerning the compounds of karma feeds;
 - 1) A feed substance can be displayed by words, graphics or pictures in an attractive way. In case of displaying via these methods, weight percentage and name of that feed substance is also specified,

2) If feed substances forming mixed feed are not specified per their weight percentage, feed operator responsible for labeling provides information related to feed substances forming compound of feed within $\pm 15\%$ value range as percentage upon buyer's request.

3) Instead of feed substance names, feed category name of feed substances can be specified in compounds of mixed feeds prepared for animals without food purposes except for fur animals.

e) Compulsory information in the second chapter of Appendix 6 and Appendix 7 for mixed feeds are specified on label.

(2) Feed categories that can be stated in feed labels of animals without food purposes except for fur animals are specified in Appendix 9.

(3) In case of an emergency case about human or animal health or environment, reserving relevant legal rights of manufacturers and buyers, if deemed appropriate by Ministry, upon the request of buyer, information about compound and features of mixed feed can be provided to buyer against signed assurance.

Additional compulsory labeling rules for feeds with special feeding purpose

ARTICLE 17 – (1) Following subjects are specified in addition to compulsory labeling rules in articles 14, 15 and 16 for labeling feeds with special feeding purposes:

a) Expression “dietetic” along with feed type specified in subparagraph (a) of the first subclause of article 14 for feeds with special feeding purposes,

b) Information about usage purposes specified in article 9,

c) Note about consulting a veterinary surgeon or animal feeding specialist before using feed or extending its usage time are written.

Mandatory additional labeling rules for domestic and ornamental animals' food

ARTICLE 18 – (1) Contact details (especially a telephone number) shall be indicated on the labels of feedstuffs for pets and ornamental animals so that those buying feedstuffs for pets and ornamental animals could obtain additional information about feedstuffs according to feed additives added thereto and categories thereof as well as mandatory label details.

Additional mandatory labeling rules for the feedstuffs that are not suitable but are likely to make fit by processing

ARTICLE 19 – (1) Special considerations defined in Annex-8 shall be stated in addition to the mandatory labeling rules defined in Articles 14, 15, 16 and 17 in the labels of the feedstuffs that do not comply with the legislation on feedstuffs.

Exceptions for labeling

ARTICLE 20 – (1) In case of written request from the feedstuff buyer that labeling details defined in sub-clauses (c), (ç), (d) and (f) of paragraph one of article 14 as well as sub-clause (b) of paragraph one of article 15, such details are not required to be indicated in the labels pertaining to such buyer. Each order may be composed of several shipments.

(2) The details defined in sub-clauses (c), (ç) and (d) of paragraph one of article 14, sub-clause (c) of paragraph two of article 15 and sub-clauses (c), (ç) and (d) of paragraph one of article 16 may be indicated on the package in packed feedstuffs. The location of such details in the package shall be indicated.

(3) In the sales made directly to the breeders to use for their own animals and those which do not contain any feedstuff additives except for silage preservatives and additives, the details defined in sub-clauses (c), (ç), (d) and (f) of paragraph one of article 14 and sub-clause (b) of paragraph one of article 15 are not required to be indicated, without prejudice to the provisions related to feed hygiene.

(4) Mandatory notifications defined in sub-clause (e) of paragraph one of article 16 are not necessary for the mixtures of plant grains, seeds and fruit in full.

(5) If the compound feed is composed of maximum three feedstuffs and such feedstuffs used are identified expressly, the details defined in sub-clauses (a) and (b) of paragraph one of article 16 are not necessary.

(6) For the feeds or compound feedstuffs sold to the end user in quantities not in excess of 20 kg and in bulk, details defined in articles 14, 15 and 16 are not obliged to be indicated, if requested, such may be presented to the buyers' information in the sales points. In such cases, the note involving the details defined in sub-clause (a) of paragraph one of article 14 and paragraph one of article 15 or sub-clauses (a) and (b) of paragraph one of article 16 shall be presented to the buyer during delivery or with the invoice upon request.

(7) For the feeds sold in packs and within package for pets and ornamental animals and total weight of which does not exceed 10 kg, details defined in sub-clauses (b), (c), (e) and (f) of paragraph one of article 14 and sub-clauses (b), (c), (d) and (e) of paragraph one of article 16 may be indicated on outside of the package in which the packs are carried.

(8) The Ministry may apply exceptional provisions to the animal feeds to be used for scientific or experimental purposes, provided that such purpose is indicated expressly.

Optional labeling

ARTICLE 21 – (1) Some optional details shall be included on the labels in addition to the mandatory labeling rules, provided that such are in compliance with the general provisions defined in the regulation.

(2) The issues related to the optional labeling may be included in the good labeling practice guidelines defined in article 24.

Packing

ARTICLE 22 – (1) Feedstuffs and compound feeds may be marketed in closed packs or packages. Since the closed packs or packages will be broken when opened, such packs or packages may not be used again.

(2) The following feeds may be released in open packs or packages in bulk as an exception to the paragraph one:

- a) Feedstuffs,
- b) Compound feeds obtained by mixing grains and fruits in full form,
- c) Deliveries between the compound feed manufacturers,
- ç) Deliveries made from directly the compound feed manufacturer to the breeders,
- d) Deliveries made from compound feed manufacturers to the packing firms,
- e) Compound feeds received from closed packs or packages in the sales made to the end users in quantities not exceeding 50 kg,
- f) Block feeds or licking blocks.

PART FIVE

Catalogue for Feedstuffs and Good Labeling Practice Guidelines

Feedstuff catalogues

ARTICLE 23 – (1) The Ministry prepares a feedstuff catalogue and publishes it on its website in order to provide information about product qualities, to facilitate information exchange, and to be used in labeling of feedstuffs and compound feeds as well as in feed industry. Such catalogues may be amended and updated upon negotiations with the shareholders of the related industry according to the needs. While identifying a feedstuff in the catalogue, the following details should be indicated at minimum:

- a) Name,
- b) Unique identification number,
- c) Description about manufacture process and product qualities of the feedstuff,
- ç) Details that may be acceptable as mandatory notification defined in sub-clause (b) of paragraph one of article 15,
- d) Details involving manufacture processes and technical descriptions in compliance with the term glossary defined in the catalogue.

(2) Modifications and updates to be made in the catalogue shall be performed considering the scientific and technological developments in line with the sectoral needs and opinions.

(3) The provisions of this article related to the feeds catalogue shall be applied without prejudice to the provisions concerning feeds safety defined in article 5.

(4) The use of feeds catalogue is optimal in the feed industry. However, if the names employed in the catalogue are used, the feedstuffs shall conform to the qualities that are included in the catalogue with those names.

(5) Those to release feedstuffs not included in the catalogue for the first time shall inform the Ministry and obtain permit required for this purpose. Such feedstuffs may not be released without approval by the Ministry. The feed industry shall be informed accordingly as well, a record system shall be created with respect to the notifications on Internet, and the system shall be updated regularly.

Good labeling practice guidelines

ARTICLE 24 – (1) In order to ensure labeling to be performed in the feeds properly and accurately, two good labeling practice guidelines shall be created by the shareholders in the sector, including one for feeds intended for food and other for feeds of pets and ornamental animals. Such guidelines shall be used upon review and approval by the Ministry. The Ministry shall encourage development of good labeling practice guidelines and application thereof in the industry.

(2) Good labeling guidelines should be intended for developing the good labeling practice so as to cover the provisions defined in articles 12, 13 and 21 as well as for meeting the general labeling rules.

(3) Good labeling guidelines shall be used by the feed industry on voluntary basis.

(4) Changes may be made to the good labeling guidelines according to the scientific and technological developments in line with the requests and opinions by the shareholders in the relevant industries.

PART SIX

Miscellaneous and Final Provisions

Administrative sanctions

ARTICLE 25 – (1) Those who do not comply with the provisions of this regulation shall be subject to proceedings in accordance with the related provisions of Law No. 5996.

Transitional provisions

PROVISIONAL ARTICLE 1 – (1) Presence of feeds released in the market prior to the date on which this Regulation is put into effect is allowed for one-year period after the publication of this Regulation.

(2) Feed facilities may use the existing labels that they include in accordance with the relevant regulation on feeds prior to the publication of this Regulation for six months. The feeds where such labels are used may be present in the market for one-year period as of the publication of this Regulation.

Enforcement

ARTICLE 26 – (1) This Regulation shall be put into effect on the publication date thereof.

Execution

ARTICLE 27 – (1) The provisions of this Regulation shall be executed by the Ministry of Food, Agriculture and Livestock.

ANNEX-1

TECHNICAL REQUIREMENTS FOR CONTAMINATION IN FEEDS, MILK REPLACERS, BINDER AND DENATURIZING FEEDSTUFFS, ASH LEVEL AND MOISTURE CONTENT IN FEEDS

1. If the maximum quantity is not indicated in the feeds catalogue, the feedstuffs shall be free from chemical contaminations resulting from manufacture processes or processing aids used during manufacture.

2. If any different levels are provided in the feeds catalogue, the contamination with herbal substances such as seeds of weed types or other plant varieties like hay cultured and not having negative effects upon animals, in the feedstuffs may not exceed 5%. The feedstuffs should be pure at 95% at minimum botanically. The contamination with other oil fruits remaining from the previous manufacture processes or with other oil seed residues may not exceed 0.05% for each oil seed or fruit type during manufacture.

3. The iron amount in milk replacers should be at least 30 mg per one kg in full for the calves, live weight of which is equal to 70 kg and less. Such amount is intended for complete feeds with 12% of moisture content.

4. In cases feedstuffs are used to denature or bind other feedstuffs, the name, nature and quantity of the feedstuffs used shall be indicated on the label. If a feedstuff is bound by another feedstuff, the percentage of binding feedstuff may not exceed 3% of total weight.

5. Ash amount insoluble in hydrochloric acid may not exceed 2.2% of the dry matter. However, on condition of being indicated on the label, such rate may be exceeded for the following:

- Feedstuffs,
- Compound feed containing allowed for binding substances of mineral origin,
- Mineral feeds,
- Compound feeds containing rice or sugar beet by-products of more than 50%,
- Compound feeds of culture fish containing fishmeal of more than 15%.

6. If not provided in the feeds catalogue at any level, the moisture content of feeds shall be indicated on the label if such exceed:

- 5% in mineral feeds not containing any organic substances,
- 7% in compound feeds and milk replacers containing milk products of more than 40%,
- 10% in mineral feeds containing organic substances,
- 14% in other feeds.

Annex-2

INGREDIENTS LIST PROHIBITED TO USE IN ANIMAL FEEDING AND RESTRICTED TO RELEASE IN THE MARKET

Part One

Prohibited substances

1. Hormones and hormone-like substances,
2. Antibiotics as feed additives and substances in the nature of medicine, except for coccidian phosphates and **histomonostates**,
3. Animal proteins (such as meat-bone meal, bone meal, blood meal, and other blood products, chicken meal, fish meal, hydrolyzed protein, and the like) and organic DCP and TCP of animal origin is prohibited to be used in such ruminant animals as cattle, sheep and goats and to be added to the feeds thereof. The following products are excluded from such prohibition:
 - Milk and milk products,
 - Egg and egg products,
 - Gel (those of no ruminant origin and only used in feed additives).
4. Waste oils and oils obtained from these products,
5. Restaurant and cafeteria waste, except for nurture of fur animals,
6. The contents of digestive system not exposed to manure, urine, and any processing or mixture,
7. Leather and leather scraps treated with tannic substances,
8. Seeds subjected to special processes with plant protection products after harvest and other plant propagating materials and by-products obtained therefrom,
9. Wood, wood chips and dust thereof treated with biocidal products such as wood preservatives included in Annex-A of “Regulation on Biocidal Products” published in Official Gazette No. 27449 bis 4 and dated 31st December 2009,
10. Final waste from any kind of urban and industrial wastewater,
11. Solid urban waste such as domestic waste,
12. Packages and package partitions of the products used in agricultural and food industries,
13. Protein products from yeast of “Candida” type cultured in N-alkenes.

Part Two

Restricted substances

1. Urine may be present at the rate of 2% in ruminant rations, rumen development of which is completed, provided that it is indicated on the label. It shall not be used in the rations pertaining to other animals.

Annex-3

GENERAL RULES FOR LABELING

1. The contents and levels of the feed are declared according to their weight rates.
2. Digital indications of dates shall be indicated according to the day, month and year order and their format shall be indicated as “DD/MM/YYYY”.
3. In order for feedstuffs and supplementary feeds containing additives over the maximum levels defined for complete feeds to ensure the suitability of maximum additive contents in the daily ration and proper usage thereof in the ration, the daily maximum amount to be given per animal in g, kg or unit volume, or the percentage of that feed in the daily ration or amount or percentage in each one kg complete feed shall be indicated.
4. Provided that analysis methods are not changed, for the feeds of pets and ornamental animals;
 - Protein instead of raw protein expression,
 - Oil content instead of raw liquid and solid oil expression,
 - Inorganic matter instead of raw ash expressionMay be indicated on the label.

Annex-4

GIVEN TOLERANCE VALUES FOR NUTRIENT COMPONENTS INDICATED ON THE LABELS OF FEEDSTUFFS AND COMPOUND FEEDS

Section A: Tolerance values for nutrient components of feedstuffs and compound feeds

1. Tolerance values are determined for technical and analytical deviations.
2. If the component value of a feedstuff or a compound feed is found to be different from the analytical component value indicated on its label, the following tolerance values shall be applied:
 - a) For raw oil, raw protein and raw ash:
 - ± 3 units for the values declared as 24% or higher,
 - 12.5% of the declared value for those stated as 8% and higher as well as below 24%,
 - ± 1 unit for the values declared lower than 8%.

- b) For raw cellulose, sugar and starch:
- ± 3.5 units for the values declared as 20% or higher,
 - 17.5% of the declared value for those stated as 10% and higher as well as below 20%,
 - ± 1.7 units for the values declared lower than 10%.
- c) For calcium, ash insoluble in hydrochloric acid, total phosphorus, sodium, potassium and magnesium:
- ± 1 unit for the values declared as 5% or higher,
 - 20% of the declared value for those stated as 1% and higher as well as below 5%,
 - ± 0.2 unit for the values declared lower than 1%.
- ç) For moisture:
- 8% of the declared value for those stated as 12.5% and higher,
 - +1 unit for the values declared as 5% or higher and those stated below 12.5%,
 - +20% of the declared value for those stated as 2% or higher as well as below 5%,
 - +0.4 unit for the values declared lower than 2%.
- d) $\pm 5\%$ for the energy value and $\pm 10\%$ for protein value other than raw protein.

3. Exceptionally, in case the raw oil and raw protein values defined in sub-clause (a) of paragraph two of this part are declared 16% for pet feeds, tolerance value should be ± 2 units for the declared values.

4. Exceptionally, the tolerance values determined for raw oil, raw sugar, starch, calcium, sodium, potassium, magnesium, energy and protein in article 2 of this section may be doubled positively.

5. Exceptionally, it shall be applied if the tolerance values determined for ash insoluble in hydrochloric acid and moisture defined in article 2 of this section is found to be higher than the declared value.

Section B: Tolerance values related to feed additives defined in feedstuffs and compound feeds

1. The tolerance values in this section are determined only for technical deviations. Such tolerances shall be applied to the feed additives stated on the feed label and analytical values. With respect to the analytical values of the feed additives shall be applied at the end of the shortest storage life of the feeds according to the amounts guaranteed on the label.

2. If any additives in the feedstuff or compound feed content is found to be below the declared value, the following tolerance values shall be applied⁽¹⁾:

- (a) 10% of the declared value, if it is 1,000 units or more,
- (b) 100 units if the declared value is 500 units or more and below 1,000 units,

⁽¹⁾ 1 unit, 1 mg, 1000 IU, 1×10^9 CFU or one kg mean 100 units enzyme activity of the feed additives in the related feed.

- (c) 20% of the declared value if it is 1 unit or more and below 500 units,
- (d) 0.2 units if the declared value is 0.5 units or more and below 1 units,
- (e) 40% of the declared value if it is lower than 0.5 units.

3. If the minimum and maximum content of feed additives are defined in the feed additive legislation, the tolerance values in article 2 of this section shall only be applied to the amount higher than the minimum amount and lower than the maximum amount.

4. As long as the feed additive amount does not exceed the maximum limit defined in article 3 of this section, the deviation over the declared content may exceed up to three times of the tolerance value defined in article 2 of this section. However, the maximum limit determined for feed additives in the microorganism group is the top limit allowed.

Annex-5

MANDATORY COMPONENTS OBLIGED TO BE NOTIFIED FOR FEEDSTUFFS

	Feedstuffs	Components obliged to be notified
1	Feed crops and coarse fodders	If crude protein is > 10% Crude fiber (cellulose)
2	Cereals	
3	Cereal products and their by-products	If crude protein is > 10% If raw oil is > 5% Crude fiber (cellulose) If starch is > 20%
4	Oil seeds and oleaginous fruits	
5	Oleaginous fruits, oilseeds products and their by-products	If crude protein is > 10% If raw oil is > 5% Crude fiber (cellulose)
6	Legume grains	
7	Products and by-products of legume grains	If crude protein is > 10% Crude fiber (cellulose)
8	Tubers, roots	
9	Products and by-products of tubers and roots,	Crude fiber (cellulose), If ash insoluble in HCl is > 3.5% in dry matter Starch
10	Sugar beet processing industry products and their	If raw cellulose is > 15%

	by-products	Total sugar calculated as sucrose If ash insoluble in HCl is > 3.5% in dry matter
11	Sugar cane processing industry products and their by-products	If raw cellulose is > 15% Total sugar calculated as sucrose
12	Except for those defined in articles between 2 and 7 in this list, other seeds, fruits and their products and by-products	Crude protein Crude fiber (cellulose) If raw oil is > 10%
13	Except for those defined in articles between 8 and 11 in this list, other plants, their products and by-products	If crude protein is > 10% Crude fiber (cellulose)
14	Milk products and their by-products	Crude protein If moisture is > 5% If lactose is > 10%
15	Land animal products and their by-products	If crude protein is > 10% If raw oil is > 5% If moisture is > 8%
16	Fish, other marine animals, their products and by-products	If crude protein is > 10% If raw oil is > 5% If moisture is > 8%
17	Minerals	Calcium Phosphorus Sodium Other minerals
18	Other feedstuffs	Crude protein > 10% Crude fiber (cellulose) Raw oil > 10% Starch > 30% Total sugar as sucrose > 10% If ash insoluble in HCl is > 3.5% in dry matter

Annex-6

COMPOUND FEEDS FOR LIVESTOCK AND LABELING OF FEEDSTUFFS

Part One

Matters related to labeling of compound feeds with additives and feedstuffs

1. If the following additives are added to the compound feeds and feed ingredients, the special names of such feed additives in the legislation shall be indicated according to added amounts, identifying numbers and functional group names or categories.

(a) Additives maximum value of which is determined according to the target type or group,

(b) Zootechnical additives, additives belonging to categories of coccidiophosphates and histomonostates,

(c) Urea and its derivatives shown in the functional group of nutritional additives category in feed additive legislation.

2. If the additives added to the feed is highlighted and emphasized with graphics or pictures on the label, the name and added amount in the legislation shall be indicated.

3. If other feed additives not defined in article 1 of this section are added to the feed, the person in charge of labeling shall explain the names, identifying number and functional groups of additives to the buyer upon request of the buyer.

4. If the feed additives not defined in article 1 of this section are added to the feed, the person in charge of labeling may give full or partial information about the feed additives as defined in article 1 on voluntary basis.

5. If the feed additives falling under the category of sensory and nutritional categories in feed additive legislation are wanted to be indicated on the related labels optionally, the added amount shall be indicated.

6. If a feed additive has multiple functional features, such basic feature in the related feed shall be indicated.

Part Two

Labeling nutritional components of compound feeds

1. The components that are obliged to be indicated on the labels of compound feeds for livestock are provided below.

Feed	Nutritional components and levels thereof	Target animal type
Complete feed	- Crude protein	All types
	- Raw cellulose	All types
	- Raw oil	All types
	- Raw ash	All types
	- Lysine	Pigs and poultry
	- Methionine	Pigs and poultry

	<ul style="list-style-type: none"> - Calcium - Phosphorus - Sodium 	<p>All types</p> <p>All types</p> <p>All types</p>
Complementary mineral feed	<ul style="list-style-type: none"> - Lysine - Methionine - Calcium - Phosphorus - Sodium - Magnesium 	<p>Pigs and poultry</p> <p>Pigs and poultry</p> <p>All types</p> <p>All types</p> <p>All types</p> <p>Ruminants</p>
Other complementary feeds	<ul style="list-style-type: none"> - Crude protein - Raw cellulose - Raw oil - Raw ash - Lysine - Methionine - Calcium $\geq 5\%$ - Phosphorus $\geq 2\%$ - Sodium - Magnesium $\geq 0.5\%$ 	<p>All types</p> <p>All types</p> <p>All types</p> <p>All types</p> <p>Pigs and poultry</p> <p>Pigs and poultry</p> <p>All types</p> <p>All types</p> <p>All types</p> <p>Ruminants</p>

2. If amino acids, vitamins or trace elements are wanted to be declared within the nutritional ingredients on voluntary basis, such may be indicated in total amount.

3. If energy value and/or protein value are wanted to be expressed, such values should be determined according to the official methods deemed fit by the Ministry.

Annex-7

COMPOUND FEEDS RELATED TO THE ANIMALS NOT INTENDED FOR FOOD

AND LABELING OF SUCH FEEDS

Part One

Matters related to labeling of compound feeds with additives and feedstuffs

1. If the following additives are added to the compound feeds and feed ingredients, the special names of such feed additives in the legislation shall be indicated according to added amounts, identifying numbers and functional group names or categories.

a) Additives maximum value of which is determined according to the target type or group,

b) Zootechnical additives, additives belonging to categories of coccidiophosphates and **histomonostates**,

c) Urea and its derivatives shown in the functional group of nutritional additives category in feed additive legislation.

2. It is sufficient to indicate the functional groups of additives included in the functional groups of the preservatives, antioxidants and coloring agents in the feed additive legislation, and if the buyer requests, the person in charge of labeling shall state the defined special names, added amounts and identifying numbers.

3. If the additives added to the feed is highlighted and emphasized with graphics or pictures on the label, the name and added amount in the legislation shall be indicated.

4. If other feed additives not defined in article 1 of this section are added to the feed, the person in charge of labeling shall explain the names, identifying number and functional groups of additives to the buyer upon request of the buyer.

5. If the feed additives not defined in article 1 of this section are added to the feed, the person in charge of labeling may give full or partial information about the feed additives as defined in article 1 on voluntary basis.

6. If the feed additives falling under the category of sensory and nutritional categories in feed additive legislation are wanted to be indicated on the related labels optionally, the added amount shall be indicated.

7. If a feed additive has multiple functional features, such basic feature in the related feed shall be indicated.

8. If the feed components or special explanations are indicated on the labels of the feeds released in the market, the person in charge of labeling and accuracy of such information is responsible towards the official authorities, including the information about all the used additives, and is liable to provide such authorities upon request.

Part Two

Labeling nutritional components of compound feeds not intended for food

1. The components that are obliged to be indicated on the labels of compound feeds for animals not intended for food are provided below.

Feed	Nutritional components and levels thereof	Target animal type
Complete feed	- Crude protein - Raw cellulose - Raw oil - Raw ash	Cats, dogs, fur-bearing animals Cats, dogs, fur-bearing animals Cats, dogs, fur-bearing animals Cats, dogs, fur-bearing animals
Complementary mineral feed	- Calcium - Phosphorus - Sodium	All types All types All types
Other complementary feeds	- Crude protein - Raw cellulose - Raw oil - Raw ash	Cats, dogs, fur-bearing animals Cats, dogs, fur-bearing animals Cats, dogs, fur-bearing animals Cats, dogs, fur-bearing animals

2. If amino acids, vitamins or trace elements are wanted to be declared within the nutritional ingredients on voluntary basis, such may be indicated in total amount.

3. If energy value and/or protein value are wanted to be expressed, such values should be determined according to the official methods deemed fit by the Ministry.

Annex-8

SPECIAL TERMS FOR LABELING FEEDS WHICH ARE WANTED TO BE RELEASED BUT NOT IN COMPLIANCE WITH THE CONDITIONS OF FEED SAFETY DEFINED IN FEED LEGISLATION

1. For contaminated feedstuffs,

“These are the feeds exceeding the value of ... according to the undesired substances list. Such feeds may only be used after detoxified in the approved facilities.”

Such expression shall be indicated arrestingly.

2. If the contamination can be reduced or eliminated by means of cleaning, the label shall indicate:

“These are the feeds exceeding the value of ... according to the undesired substances list. Such feeds may only be used after adequate cleaning processes are performed.”

Such expression shall be indicated arrestingly.

Annex-9

CATEGORIES OF FEEDSTUFFS FOR FEEDS OF ANIMALS NOT INTENDED FOR FOOD

	Category Type	Definition
1	Meat and meat products	Fresh or whole boneless pieces canned with proper process or slaughtered warm-blooded land animals and carcass pieces of warm-blooded land animals or processed carcass products and all the products
2	Milk and milk products	All the milk products fresh or protected with proper process and the products from processing them
3	Egg and egg products	All the egg products fresh or protected with proper process and the products from processing them
4	Vegetable and animal oils	All animal and plant oils
5	Yeasts	All the yeasts, their dead and dried cells
6	Fish and fish products	All the fish or fish pieces fresh or protected with proper process and the products from processing them
7	Cereals	All the types of cereals or products from starch endosperm regardless of market offering
8	Vegetables	All vegetables and legumes fresh or protected with proper process
9	Vegetable based products	Products from processing vegetable products especially cereals, vegetables, legumes and oil seeds
10	Vegetable protein extracts	All the vegetable based products containing protein concentrated with proper process in order to contain at least raw protein of 50% in dry matter
11	Minerals	All the inorganic substances suitable for animal feeds
12	Various sugars	All types of sugars
13	Fruits	All the fruit types fresh or protected with proper process
14	Nuts	All nuts
15	Seeds	All seed types in whole form or broken roughly

16	Algae	Algae fresh or protected with proper process
17	Mollusks and crustaceans	All mollusks, crustaceans, shellfish fresh or protected with proper process and treated products thereof
18	Insects	All types of insects and development stages thereof
19	Bread and bakery products	Bread, cakes, biscuits and pastry products