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DRAFT TANZANIA STANDARD

Complete cat food – Specification

DRAFT STANDARD FOR COMMENTS ONLY

TANZANIA BUREAU OF STANDARDS

Complete cat food – Specification

0 FOREWORD

This Tanzania standard lays down specifications aiming at ensuring safety and quality of cat food produced or traded in the country for feeding cats.

In the preparation of this Tanzania standard, assistance was drawn from GB/T 31217-2014, *Complete pet food – Cat food*; published by National Standard of the People's Republic of China.

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with TZS 4 (see clause 2).

1 SCOPE

This Tanzania standard specifies the requirements, methods of sampling and test for complete processed cat food

2 REFERENCES

The following referenced standards are indispensable for the application of this draft standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced standard (including any amendments) applies.

TZS 4 – Rounding off numerical values

TZS 34-1 – Animal feeds and feeding stuffs – Sampling and test methods – Part 1: General

TZS 34-2 – Animal feeds and feeding stuffs – Sampling and test methods – Part 2: Minerals and trace elements

TZS 109 – Food Processing units – code of hygiene – General.

TZS 821 – Animal feeds and feeding stuffs – Preparation of test samples.

ISO 6579-1 – Microbiology of food and animal feeding stuffs – Horizontal method for the detection of *Salmonella spp.*

ISO 16654 – Microbiology of food and animal feeding stuffs – Horizontal method for the detection of *Escherichia coli*

ISO 6865 – Animal feeding stuffs – Determination of crude fibre content – Method with intermediate filtration.

3 TERMS AND DEFINITIONS

For the purpose of this standard, the following terms and definitions shall apply:

3.1 pet

cats or dog fed at home as companion animals, or dogs used for work

3.2 cat food

food obtained through industrial processing that is used to feed cats, including complete cat food and complementary cat food; According to moisture content, it is divided into dry pet food, semi-moist (type) pet food and wet (type) pet food

3.3 complete cat food

except for moisture content, the cat food of which the contained nutrient and energy can meet daily nutritional requirements of cats

3.4 complementary cat food

cat food which has a high content of certain substances but which, by reason of its composition, is sufficient for a daily ration only if used in combination with other cat foods.

4 REQUIREMENTS

4.1 General requirements

4.1.1 Raw materials

- The ingredients used in the manufacture of complete cat food is given in Annex A.
- Ingredients that contained harmful substances, contaminated with microbes or suspected for any of those, shall not be used.
- Artificial ingredients, such as antibiotics, hormones or other drugs shall not be used in preparing complete cat food.

4.1.2 Complete cat food shall;

- be in the form of meal, crumbs, pellets or biscuits.
- be either dry or wet, raw or pre-cooked.
- be free from rancidity, musty odour, toxic ingredients, adulterants, visible mould growth and insect infestation.
- have characteristic fishy and/or meaty odour.

4.2 Specific requirements

Complete cat food shall conform to the requirements prescribed in Table 1, 2 and 3.

Table 1: Physical and chemical requirements – Unit per 100 g dry matter

S/No	Parameter	Requirement		Method of test (see clause 2)
		Adult	Kitten/ Reproduction	
i)	Moisture, % m/m, max.	10.0	10.0	TZS 34-1
ii)	Crude protein (N×6.25), %, m/m, min.	25.0	30	TZS 34-1
iii)	Crude fat, %, m/m, min.	9.0	9.0	TZS 34-1
iv)	Crude fibre, %, m/m,	5.0	4.0	ISO 6865

	min.			
v)	Crude ash, %, m/m, max.	6.0	6.0	TZS 34-2
v)	*Calcium, %, m/m, min.	0.59	1.0	TZS 34-2
vi)	*Phosphorus, %, m/m, min.	0.50	0.84	TZS 34-2
vii)	potassium, %, m/m, min.	0.60	0.60	TZS 34-2
viii)	Sodium, %, m/m, min.	0.08	0.16	TZS 34-2
ix)	Chloride, %, m/m, min.	0.11	0.24	TZS 34-2
x)	Magnesium, %, m/m, min.	0.04	0.05	TZS 34-2
Ca / P ratio*		1/1 – 2/1	1/1 – 1.5/1	

Table 2: Trace elements requirement

S/No	Minerals	Requirement		Method of test (see clause 2)
		Adult	Kitten/Reproduction	
i)	Iron, mg, min.	8.00	8.00	TZS 34-2
ii)	Copper, mg, min.	0.50	1.00	TZS 34-2
iii)	Manganese, mg, min.	0.50	1.00	TZS 34-2
iv)	Zinc, mg, min.	7.50	7.50	TZS 34-2
v)	Iodine, mg, min.	0.05	0.18	TZS 34-2
vi)	Selenium, µg, min.	30.0	30.0	TZS 34-2

Table 3: Vitamins requirements

S/No	Vitamins	Requirement	
		Adult	Kitten /Reproduction
i)	Vitamin A, IU, min.	333	900
ii)	Vitamin D, IU, min.	25.0	75.0
iii)	Vitamin E, IU, min.	3.80	3.80
iv)	Thiamine (B ₁), mg, min.	0.56	0.55
v)	Riboflavin (B ₂), mg, min.	0.40	0.40
vi)	Pantothenic acid, mg, min.	0.58	0.57
vii)	Pyridoxine (B ₆), mg, min.	0.25	0.40
viii)	Niacin, mg, min.	4.00	4.00
ix)	Choline, mg, min.	240	240
x)	Vitamin B ₁₂ , µg, min.	2.25	2.00
xi)	Folic acid, µg, min.	80.0	80.0
xii)	Biotin, µg, min.	7.50	7.00
xiii)	Vitamin K, µg, min.	10.0	10.0

5 HYGIENE

5.1 The product shall be prepared under strict hygienic conditions according to TZS 109 (see clause 2).

5.2 Complete cat food shall comply with microbiological limits as shown in Table 4;

Table 4: Status for microbiological tolerance in complete cat food

S/No.	Microorganism	Status	Test Method
1.	<i>Salmonella spp</i>	Absent	ISO 6579-1
2.	<i>Escherichia coli</i>	Absent	ISO 16654

6 CONTAMINANTS

6.1 Pesticides and veterinary drug residues

The products covered by this Standard shall comply with the maximum residue limits for pesticides and veterinary drugs established by the Codex committees for pesticides residues and veterinary drug residues for this commodity.

6.2 Aflatoxins

Complete cat food shall not have total aflatoxins above 20 mg/kg.

7 SAMPLING AND TESTS

7.1 Sampling

Sampling of the product covered under this Standard shall be done according to TZS 34-1, TZS 34-2 and TZS 821 (see clause 2)

7.2 Tests

Testing of this product shall be done according to test methods prescribed in Table 1,2, 3 and 4 (see clause 2).

8 PACKAGING, TRANSPORTATION AND MARKING

8.1 Packaging

The package shall be sealed, moisture proof, water-proof, and not easy to be damaged. The packaging material shall be nontoxic and harmless.

8.2 Transportation

Transportation facility shall be clean and dry; measures of rain-proof, and anti-pollution shall be taken. It is forbidden to mixed-load and mixed-transport with the toxic and harmful articles.

8.2 Marking and labelling

8.2.1 Complete cat food containers shall be marked to display the following information:

- a) Name of the product – “complete cat food”
- b) Class of cat – “Adult” or “Kitten/Reproduction”
- c) Name and address of the manufacturer, importer or seller;
- d) Country of origin
- e) Batch or code number;
- f) Date of production;
- g) Net mass;
- h) Expiry date;
- i) Storage conditions;
- j) Content of crude protein, crude fat and crude fibre;
- k) Directions for use.
- l) Guaranteed analysis

8.3 The container may also be marked with TBS Certification Mark.

NOTE – The TBS Standards Mark of Quality may be used by the manufacturers only under licence from TBS. Particulars of conditions under which the licences are granted may be obtained from TBS.

Annex A (normative)

Cat food ingredients

The following ingredients may be used in the manufacture of dog feeds:

A.1 Grain products

- Maize flour
- Wheat flour
- Oat flour
- Pollard
- Barley
- Wheat bran
- Wheat germ
- Rice
- Sorghum
- Maize germ meal
- Maize bran

A.2 Animal products

- Bone meal
- Blood meal
- Meat/bone meal
- Meat meal
- Offal meals (treated)
- Dried skimmed milk
- Dry whey
- Cheese meal
- Poultry by-products (excluding manure)
- Hydrolyzed feather meal
- Fishmeal
- Whole milk

A.3 Plant products (other than cereal based)

- Soybean meal
- Alfalfa meal (Lucerne meal) – dried grass meal
- Potatoes (*solanum tuberosum*)

A.4 Industrial by-products

- Sunflower cakes
- Brewer's yeast and dried grains
- Sugarcane molasses

A.5 Other ingredients

- Common salt

- Dicalcium phosphate (fluorine content not to exceed 0.2 %)
- Calcium lactate
- Limestone
- Vitamin and mineral premixes.

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