

## DRAFT UGANDA STANDARDS FOR DECLARATION (Section 15, Cap 327)

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Table 1: Summary of the final draft standards in the various areas

AREA OF STANDARDIZATION	NUMBER OF STANDARDS
Food and agriculture <ul style="list-style-type: none"> <li>• Animal feeds</li> <li>• Potato products</li> <li>• Spices</li> </ul>	 42 4 48
<b>Subtotal</b>	<b>94</b>
Chemicals and consumer products <ul style="list-style-type: none"> <li>• Consumer products</li> <li>• Medical devices</li> <li>• Cosmetics</li> </ul>	 4 3 2
<b>Subtotal</b>	<b>9</b>
Engineering <ul style="list-style-type: none"> <li>• Particleboards</li> </ul>	 4
<b>Subtotal</b>	<b>4</b>
<b>TOTAL</b>	<b>107</b>

### Food and agriculture standards

These standards are intended to:

- Support value addition in animal feeding while improving on the safety of animal feeds for ultimate food safety.
- Support value addition and improving market access for potato products and spices

### Chemicals and consumer products standards

These standards have been developed in order to;

- Guide both the local manufacturers and the traders;
- Protection of consumer health and safety;

- Support the implementation and enforcement of the Copyright and Neighbouring Rights Act of 2006.

### **Engineering standards – Timber products**

These standards have been developed in order to:

- Guide both the manufacturers and the traders;
- Provide guidance in tendering and procurement process
- protection of consumer health and safety; and
- promote the local artisans/technician who use these product as a raw material to manufacture other end products

## **FOOD AND AGRICULTURE STANDARDS**

### **FINAL DRAFT UGANDA STANDARDS FOR ANIMAL FEEDS**

#### **1. FDUS 806:2009, Poultry feeds — Specification.**

Scope: This final draft Uganda Standard prescribes specifications for the following poultry feeds: broiler starter feed; broilers finishing feed; chick and duck feed; poultry grower feed; turkey starter feed; layer feed; and breeders feed.

#### **2. FDUS 807:2009, Cattle feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the cattle feeds, licks and concentrates; dry calf starter feed, calf feed, dairy feed, high energy protein beef feed, high energy urea beef feed, low urea lick, high urea lick and calf lick.

#### **3. FDUS 808:2009, Dog feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the dog feeds.

#### **4. FDUS 811:2009, Pig feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the following feeds: pig creep feed; pig growers feed; pig finishing feed; and pig breeders feed (sow and weaner feed).

#### **5. FDUS 812:2009, Goats and sheep feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the goats and sheep feeds.

#### **6. FDUS 813:2009, Rabbit feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for rabbit feeds.

#### **7. FDUS 814:2009, Fish feeds — Specification.**

Scope: This final draft Uganda Standard prescribes requirements for fish feeds:

#### **8. FDUS 815:2009, Cat feeds — Specification.**

Scope: This final draft Uganda Standard prescribes requirements for cat feeds:

#### **9. FDUS EAS 97:1999, Fishmeal — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for fishmeal for use in compounding livestock feeds.

#### **10. FDUS EAS 230:2001, Maize bran as livestock feed — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for maize bran as a livestock feed.

**11.FDUS EAS 231:2001, Bone meal for compounding animal feeds— Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for bone meal used as a mineral supplement in animal feeds.

**12.FDUS EAS 232: 2001, Maize gluten feed — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for maize gluten feed used for livestock feeding.

**13.FDUS EAS 233: 2001, Ostrich feed — Specification**

Scope: This final draft Uganda Standard specifies the requirements and test methods for ostrich feed.

**14.FDUS EAS 353:2004, Wheat bran for animal feeds — Specification.**

Scope: This final draft Uganda Standard prescribes requirements for wheat bran for use as animal feedstuff and or ingredient for compounding animal feeds.

**15.FDUS ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid.**

Scope: This final draft Uganda Standard specifies two procedures for animal feeding stuffs for the determination of the ash which is insoluble in hydrochloric acid. *This standard cancels and replaces US 450:2002, which has been revised.*

**16.FDUS ISO 5983-1:2005, Animal feeding stuffs — Determination of nitrogen content and calculation of crude protein content — Part 1: Kjeldahl method.**

Scope: This part of FDUS ISO 5983 specifies a method for the determination of the nitrogen content of animal feeding stuffs by the Kjeldahl process, and a method for the calculation of the crude protein content. *This standard cancels and replaces US 448:2002, which has been revised.*

**17.FDUS ISO 5983-2:2005, Animal feeding stuffs — Determination of nitrogen content and calculation of crude protein content — Part 2: Block digestion/steam distillation method.**

Scope: This part of FDUS ISO 5983 specifies a method for the determination of nitrogen content of animal feeding stuffs according to the Kjeldahl method, and a method for the calculation of the crude protein content.

**18.FDUS ISO 5984:2002, Animal feeding stuffs — Determination of crude ash.**

Scope: This final draft Uganda Standard specifies a method for the determination of crude ash of animal feeding stuffs. *This standard cancels and replaces US 449:2002, which has been revised.*

**19.FDUS ISO 5510:1984, Animal feeding stuffs - Determination of available lysine.**

Scope: This final draft Uganda Standard specifies a method for the determination of the available lysine in animal feeding stuffs containing animal or vegetable proteins. *This standard cancels and replaces US 447:2002, which has been revised.*

**20.FDUS ISO 6490-1:1985, Animal feeding stuffs — Determination of calcium content — Part 1: Titrimetric method.**

Scope: This final draft Uganda Standard specifies a titrimetric method for the determination of the calcium content of animal feeding stuffs. *This standard cancels and replaces US 452:2002, which has been revised.*

**21.FDUS ISO 6491:1998, Animal feeding stuffs — Determination of phosphorus content — Spectrometric method.**

Scope: This final draft Uganda Standard specifies a spectrometric method for the determination of the phosphorus content of animal feeding stuffs. *This standard cancels and replaces US 451-1:2002, which has been republished.*

**22.FDUS ISO 6492:1999, Animal feeding stuffs — Determination of fat content.**

Scope: This final draft Uganda Standard specifies a method for the determination of the fat content of animal feeding stuffs. The method is applicable to animal feeding stuffs except oilseeds and oilseed residues.

**23.FDUS ISO 6493:2000, Animal feeding stuffs — Determination of starch content — Polarimetric method.**

Scope: This final draft Uganda Standard specifies a method for the polarimetric determination of the starch content of animal feeding stuffs and raw materials for animal feeding stuffs.

**24.FDUS ISO 6495:1999, Animal feeding stuffs — Determination of water-soluble chlorides content.**

Scope: This final draft Uganda Standard specifies a method for the determination of the water-soluble chlorides content, expressed as sodium chloride, of animal feeding stuffs. *This standard cancels and replaces US 453:2002, which has been republished.*

**25.FDUS ISO 6496:1999, Animal feeding stuffs — Determination of moisture and other volatile matter content.**

Scope: This final draft Uganda Standard specifies a method for the determination of the moisture and other volatile matter content of animal feeding stuffs. This standard cancels and replaces US 454:2002, *which has been republished.*

**26.FDUS ISO 6497:2002, Animal feeding stuffs — Sampling.**

Scope: This final draft Uganda Standard specifies methods of sampling animal feeding stuffs, including fish feed, for quality control for commercial, technical and legal purposes.

**27.FDUS ISO 6498:1998, Animal feeding stuffs — Preparation of test samples.**

Scope: This final draft Uganda Standard specifies methods for the preparation of test samples from laboratory samples of animal feeding stuffs including pet foods. *This standard cancels and replaces US 455:2002 which has been republished.*

**28.FDUS ISO 6651:2001, Animal feeding stuffs — Semi-quantitative determination of aflatoxin B1 — Thin-layer chromatographic method.**

Scope: This final draft Uganda Standard specifies two methods for the determination of aflatoxin B1 in animal feeding stuffs. *This standard cancels and replaces US 456:2003 which has been revised.*

**29.FDUS ISO 6654:1991, Animal feeding stuffs - Determination of Urea content.**

Scope: This final draft Uganda Standard specifies a spectrometric method for the determination of the Urea content of animal feeding stuffs.

**30.FDUS ISO 6655:1997, Animal feeding stuffs - Determination of soluble nitrogen content after treatment with pepsin in dilute hydrochloric acid.**

Scope: This final draft Uganda Standard specifies a method for the determination of the soluble nitrogen content of animal feeding stuffs after treatment with pepsin in dilute hydrochloric acid. *This standard cancels and replaces US 460:2002, which has been republished.*

**31.FDUS ISO 6865:2000, Animal feeding stuffs — Determination of crude fibre content — Method with intermediate filtration.**

Scope: This final draft Uganda Standard specifies a method with intermediate filtration for the determination of the crude fibre content. A manual procedure and a semi-automatic procedure are described.

**32.FDUS ISO 6866-1985, Animal feeding stuffs - Determination of free and total gossypol.**

Scope: This final draft Uganda Standard specifies a method for the determination of the content of free and total gossypol and chemically related substances in animal feeding stuffs. *This standard cancels and replaces US 457:2002 which has been republished.*

**33.FDUS ISO 6869:2000, Animal feeding stuffs — Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc — Method using atomic absorption spectrometry.**

Scope: This final draft Uganda Standard specifies an atomic absorption spectrometric method for the determination of the contents of calcium (Ca), copper (Cu), iron (Fe), magnesium (Mg), manganese (Mn), potassium (K), sodium (Na) and zinc (Zn) in animal feeding stuffs.

**34.FDUS ISO 7485: 2000, Animal feeding stuffs — Determination of potassium and sodium contents — Methods using flame-emission spectrometry.**

Scope: This final draft Uganda Standard specifies a calibration method and a standard addition method for the determination of potassium and sodium contents of animal feeding stuffs by flame-emission spectrometry.

**35.FDUS ISO 9831:1998, Animal feeding stuffs, animal products, and faeces or urine — Determination of gross calorific value — Bomb calorimeter method.**

Scope: This final draft Uganda Standard specifies a method for the determination of the gross calorific value of animal feeding stuffs, animal products and faeces or urine at constant volume in an adiabatic, an isothermal, or a static bomb calorimeter.

**36.FDUS ISO 13903:2005 Animal feeding stuffs — Determination of amino acids content.**

Scope: This final draft Uganda Standard describes the determination of free (synthetic and natural) and totals (peptide-bound and free) amino acids in feeding stuffs, using an amino acid analyser or HPLC equipment.

**37.FDUS ISO 13904:2005 Animal feeding stuffs — Determination of tryptophan content.**

Scope: This final draft Uganda Standard describes determination of the total and free tryptophan content in feeding stuffs (e.g. complete and complementary feeds, supplementary feeds, raw materials, ingredients, pre-mixtures and concentrates).

**38.FDUS ISO 14565:2000 Animal feeding stuffs — Determination of vitamin A content — Method using high-performance liquid chromatography.**

Scope: This final draft Uganda Standard specifies a method for the determination of the total vitamin A (retinol) content of animal feeding stuffs and pet foods using high-performance liquid chromatography.

**39.FDUS ISO 14718:1998 Animal feeding stuffs — Determination of aflatoxin B1 content of mixed feeding stuffs — Method using high-performance liquid chromatography.**

Scope: This final draft Uganda Standard specifies a high-performance liquid chromatographic (HPLC) method for the determination of aflatoxin B1 content of animal feeding stuffs including those containing citrus pulp.

**40.FDUS ISO 14902:2001, Animal feeding stuffs — Determination of trypsin inhibitor activity of soya products.**

Scope: This final draft Uganda Standard specifies a method for the determination of the trypsin inhibitor activity (TIA) of soya products.

**41.FDUS ISO 15914:2004, Animal feeding stuffs — Enzymatic determination of total starch content.**

Scope: This final draft Uganda Standard specifies a method for the enzymatic determination of the total starch content of animal feeding stuffs and raw materials for animal feeding stuffs.

**42.FDUS ISO 17375:2006, Animal feeding stuffs — Determination of aflatoxin B1.**

Scope: This final draft Uganda Standard specifies a method for the determination of aflatoxin B1 in animal feeding stuffs using high-performance liquid chromatography with post-column derivatization.

## **FINAL DRAFT UGANDA STANDARDS FOR POTATO PRODUCTS**

**43.FDUS 702: 2009, Fried Potato chips — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements and the method of sampling and testing for fried potato chips.

**44.FDUS 703: 2009, Potato crisps — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements and the methods of sampling and test for crisps made from tubers of potato (*Solanum tuberosum* L.)

**45.FDUS 705: 2009, Fresh Potatoes — Specification.**

Scope: This final draft Uganda Standard specifies the requirements for potatoes (*Solanum tuberosum* L.) to be supplied fresh and either packaged or sold loose for human consumption. It does not cover the requirements for potatoes that are not fresh and are intended for industrial processing or seed potato.

**46.FDUS 708: 2009, Frozen Potato chips — Specification**

Scope: This final draft Uganda Standard specifies the requirements for frozen potato (*Solanum tuberosum* L.) chips to be supplied packaged either in retail packs or in bulk for direct consumption or further processing.

## **FINAL DRAFT UGANDA STANDARDS FOR SPICES**

**47.FDUS 876:2009, Chillies, whole and ground (powdered) — Specification**

Scope: This final draft Uganda Standard specifies requirements for whole and ground (powdered) chillies [*Capsicum frutescens* L. *Capsicum annum* L.].

**48.FDUS ISO 959:1998, Pepper (*Piper nigrum* L.), whole or ground — Specification —Part 1: Black pepper.**

Scope: This final draft Uganda Standard part specifies requirements for black pepper (*Piper nigrum* L.), (See ISO 676), whole or ground.

**49.FDUS ISO 1003:2008, Spices — Ginger (*Zingiber officinale* Roscoe) — Specification**

Scope: This final draft Uganda Standard specifies requirements for ginger (*Zingiber officinale* Roscoe).

**50.FDUS ISO 1237:1981, Mustard seed – Specification**

Scope: This final draft Uganda Standard specifies requirements for mustard seed.

**51.FDUS ISO 2256:1984, Dried mint (spearmint) (*Mentha spicata* Linnaeus syn. *Mentha viridis* Linnaeus) – Specification**

Scope: This final draft Uganda Standard specifies requirements for leaves of dried mint (spearmint) in whole, broken or rubbed form.

**52.FDUS ISO 5560:1997, Dehydrated garlic (*Allium sativum* L.) – Specification**

Scope: This final draft Uganda Standard specifies requirements for dehydrated garlic (*Allium sativum* L.).

**53.FDUS ISO 5561:1990, Black caraway and blond caraway (*Carum carvi* Linnaeus), whole – Specification.**

Scope: This final draft Uganda Standard specifies requirements for whole black and blond caraway (*Carum carvi* Linnaeus), having biennial and annual fructification respectively. It does not apply to *Carum Buibocastanum*.

**54.FDUS ISO 5562:1983, Turmeric, whole or ground (powdered) – Specification.**

Scope: This final draft Uganda Standard specifies requirements for turmeric (*Curcuma longa* Linnaeus), whole or ground (powdered).

**55.FDUS ISO 5563:1984, Dried peppermint (*Mentha piperita* Linnaeus) – Specification.**

Scope: This final draft Uganda Standard specifies requirements for dried leaves, or broken or rubbed dried leaves, of peppermint.

**56.FDUS ISO 5559:1995, Dehydrated onion (*Allium cepa* Linnaeus) – Specification.**

Scope: This final draft Uganda Standard specifies requirements for dehydrated onion (*Allium cepa* Linnaeus) in its various commercial forms.

**57.FDUS ISO 6465:1984, Whole cumin (*cuminurn cyminum* Linnaeus) – Specification.**

Scope: This final draft Uganda Standard specifies requirements for whole fruits) of *Cuminum cyminum* Linnaeus for wholesale purposes.

**58.FDUS ISO 6539:1997, Cinnamon, Sri Lankan type, Seychelles type and Madagascan type (*Cinnamomum zeylanicum* Blume) – Specification.**

Scope: This final draft Uganda Standard specifies requirements for whole or ground (powdered) cinnamon of the Sri Lankan type, Madagascan type and Seychelles type, which is the bark of the tree or shrub (*Cinnamomum zeylanicum* Blume).

**59.FDUS ISO 6574:1986, Celery seed (*Apium graveolens* Linnaeus) — Specification.**

Scope: This final draft Uganda Standard specifies requirements for whole celery seed (*Apium graveolens* Linnaeus) for use as a spice. It does not apply to seeds used for agricultural purposes.

**60.FDUS ISO 6577:2002, Nutmeg, whole or broken, and mace, whole or in pieces (*Myristica fragrans* Houtt.) — Specification.**

Scope: This final draft Uganda Standard specifies requirements for nutmeg, whole or broken, and for mace, whole or in pieces, obtained from the nutmeg tree (*Myristica fragrans* Houtt.) for wholesale commercial purposes.

**61.FDUS ISO 6754:1996, Dried thyme (*Thymus vulgaris* L.) — Specification.**

Scope: This final draft Uganda Standard specifies the requirements for dried thyme (*Thymus vulgaris* L.) leaves in the rubbed form.

**62.FDUS ISO 7540:2006, Ground paprika (*Capsicum annum* L.) — Specification.**

Scope: This final draft Uganda Standard defines the requirements for ground paprika.

**63.FDUS ISO 7927-1:1987, Fennel seed, whole or ground (powdered) -Part 1: Bitter fennel seed (*Foenicuhm vulgare* P. Miller var. vulgare) — Specification.**

Scope: This part of FDUS ISO 7927 specifies requirements for bitter fennel seed (*Foeniculum vulgare* P. Miller var. vulgare), whole or ground (powdered).

**64.FDUS ISO 10620:1995, Dried sweet marjoram (*Origanum majorana* L.) — Specification.**

Scope: This final draft Uganda Standard specifies requirements for dried sweet marjoram (*Origanum majorana* L.) both as bunches (bouquets) and as rubbed.

**65.FDUS ISO 10622:1997, Large cardamom (*Amomum subulatum* Roxb.), as capsules and seeds — Specification.**

Scope: This final draft Uganda Standard specifies requirements for large cardamom as capsules and seeds (*Amomum subulatum* Roxb).

**66.FDUS ISO 11162:2001, Peppercorns (*Piper nigrum* L.) in brine — Specification and test methods.**

Scope: This final draft Uganda Standard specifies the requirements for peppercorns (*Piper nigrum* L.) in brine.

**67.FDUS ISO 11163:1995, Dried sweet basil (*Ocimum basilicum* L.) — Specification.**

Scope: This final draft Uganda Standard specifies the requirements for dried sweet basil (*Ocimum basilicum* L.) in the form of tut (rubbed) leaves.

**68.FDUS ISO 11164:1995, Dried rosemary (*Rosmarinus officinalis* L.) — Specification.**

Scope: This final draft Uganda Standard specifies the requirements for dried rosemary (*Rosmarinus officinalis* L.) leaves in tut form.

**69.FDUS ISO 11165:1995, Dried sage (*Salvia officinalis* L.) — Specification.**

Scope: This Final draft Uganda Standard specifies the requirements for dried sage (*Salvia officinalis* L.) in the form of whole or tut leaves.

**70.FDUS ISO 5565-11999, Vanilla [*Vanilla fragrans* (Salisbury) Ames] — Part 1: Specification.**

Scope: This part of FDUS ISO 5565 specifies requirements for vanilla belonging to the species *Vanilla fragrans* (Salisbury) Ames, syn. *Vanilla planifolia* Andrews. This part of ISO FDUS 5565 is applicable to vanilla in pods, bulk, cut or in the form of powder. It is not applicable to vanilla extracts.

**71.FDUS ISO 2254:1980, Cloves, whole and ground (powdered) — Specification**

Scope: This final draft Uganda specifies requirements for whole and ground (powdered) cloves [*Eugenia caryophyllus* (C.Spreng.) Bullock and Harrison].

**72.FDUS ISO 5564:1982, Black pepper and white pepper, whole or ground - Determination of piperine content — Spectrophotometric method.**

Scope: This final draft Uganda Standard specifies a spectrophotometric method for the determination of the piperine content of black or white pepper (*Piper nigrum* L.), in whole or in ground form.

**73.FDUS ISO 5566:1982, Turmeric — Determination of colouring power — Spectrophotometric method.**

Scope: This final draft Uganda Standard specifies a spectrophotometric method for the determination of the colouring power of turmeric.

**74.FDUS ISO 5567:1982, Dehydrated garlic — Determination of volatile organic sulphur Compounds.**

Scope: This Final draft Uganda Standard specifies a method for the determination of volatile organic sulphur compounds in dehydrated garlic.

**75.FDUS ISO 676:1995, Spices and condiments — Botanical nomenclature.**

Scope: This final draft Uganda Standard gives a non-exhaustive list of the botanical names and common names in English and French of plan

**76.FDUS ISO 927:1982, Spices and condiments - Determination of extraneous matter content.**

Scope: This final draft Uganda Standard specifies a method for the determination of extraneous matter in spices and condiments.

**77.FDUS ISO 928:1997, Spices and condiments — Determination of total ash.**

Scope: This final draft Uganda Standard specifies a method for the determination of total ash from spices and condiments

**78.FDUS ISO 930:1997, Spices and condiments — Determination of acid-insoluble ash.**

Scope: This Final draft Uganda Standard specifies a method for the determination of acid-insoluble ash from spices and condiments

**79.FDUS ISO 939:1980, Spices and condiments — Determination of moisture content - Entrainment method.**

Scope: This final draft Uganda Standard specifies an entrainment method for the determination of the moisture content of spices and condiments,

**80.FDUS ISO 941:1980, Spices and condiments — Determination of cold water soluble extract.**

Scope: This final draft Uganda Standard specifies a method for the determination of cold water-soluble extract in spices and condiments.

**81.FDUS ISO 948:1980, Spices and condiments — Sampling.**

Scope: This final draft Uganda Standard specifies a method of sampling Spices and condiments

**82.FDUS ISO 1108, Spices and condiments — Determination of non-volatile ether extract.**

Scope: This final draft Uganda Standard specifies a method for the determination of the non-volatile ether extract in spices and condiments.

**83.FDUS ISO 1208:1982, Spices and condiments — Determination of filth.**

Scope: This final draft Uganda Standard specifies a method for the quantitative determination of filth in spices and condiments.

**84.FDUS ISO 2825:1981, Spices and condiments — Preparation of a ground sample for analysis.**

Scope: This final draft Uganda Standard specifies a method of preparing a ground sample of spice or condiment for analysis, from a laboratory sample obtained by the method specified in ISO 948.

**85. FDUS ISO 3493:1999, Vanilla — Vocabulary.**

Scope: final draft Uganda Standard defines the most commonly used terms relating to vanilla.

**86. FDUS ISO 3513:1995, Chillies — Determination of Scoville index.**

Scope: This final draft Uganda Standard specifies a method for the determination of the Scoville index of chillies, whole or ground, unadulterated by other spices or products.

**87. FDUS ISO 3588:1977, Spices and condiments — Determination of degree of fineness of grinding — Hand sieving method (reference method).**

Scope: The final draft Uganda Standard specifies a reference method for the determination of the degree of fineness of grinding of spices and condiments, by hand sieving to obtain the distribution of particle size in the sample.

**88. FDUS ISO 6571:2008, Spices, condiments and herbs — Determination of volatile oil content (hydrodistillation method).**

Scope: This Final draft Uganda Standard specifies a method for the determination of the volatile oil content of spices, condiments and herbs.

**89. FDUS ISO 7541:1989, Ground (powdered) Paprika — Determination of total natural colouring matter content.**

Scope: This Final draft Uganda Standard specifies a method for the determination of the total natural colouring matter content of ground (powdered) Paprika.

**90. FDUS ISO 7542:1984, Ground (powdered) paprika (*Capsicum annuum* Linnaeus) — Microscopical examination.**

Scope: This Final draft Uganda Standard describes the morphological and anatomical structure of paprika (*Capsicum annuum* Linnaeus) and specifies a method for the Microscopical examination of ground (powdered) paprika.

**91. FDUS ISO 7543-1:1994, Chillies and chilli oleoresins capsaicinoid content —Part 1: Spectrometric method.**

Scope: This part of ISO 7543 specifies a method for the determination, by a spectrometric method, of the total capsaicinoid content of whole or powdered chillies (usually *Capsicum frutescens* L.) and their oleoresins.

**92. FDUS ISO 7543-2:1993, Chillies and chilli oleoresins — Determination of total capsaicinoid content -Part 2: Method using high— performance liquid chromatography**

Scope: This part of FDUS ISO 7543 specifies a method for the determination, by high-performance liquid chromatography, of the total capsaicinoid content of whole or powdered chillies (usually *Capsicum frutescens* L.) and their extracts (oleoresins).

**93.FDUS ISO 11027:1993, Pepper and pepper oleoresins — Determination of piperine content - Method using high-Performance liquid chromatography.**

Scope: This Final draft Uganda Standard specifies a method for the determination, by high-performance liquid chromatography, of the piperine content of peppers (*Piper nigrum* Linnaeus), whole or powdered, as well as their extracts (oleoresins).

**94.FDUS ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0.95.**

Scope: This part of ISO 21527 specifies a horizontal method for the enumeration of viable osmophilic yeasts and xerophilic moulds in products intended for human consumption or feeding of animals that have a water activity less than or equal to 0.95 (dry fruits, cakes, jams, dried meat, salted fish, grains, cereals and cereal products, flours, nuts, spices and condiments).

## **A.2: CHEMICALS AND CONSUMER PRODUCTS STANDARDS**

### **1. FDUS EAS 96:2009, Sanitary towels — specification.**

Scope: This final draft Uganda standard specifies the requirements for sanitary towels used during menstruation. This standard does not apply to serviettes, refreshing towels and napkins, panty liners and pads used during post delivery period. *(This final draft Uganda Standard cancels and replaces US 391: 2003)*

### **2. FDUS 312: 2009; Safety matches — Specification (second edition 2009).**

Scope: This Final Draft Uganda standard prescribes the requirements, for sampling and methods of testing for safety matches that has been packed in any suitable material. This includes; wood, book and wax matches. *(This final draft Uganda Standard cancels and replaces US 312:2003, which has been revised).*

### **3. FDUS 841:2009, Requirements — Packaging and labelling of tobacco products.**

Scope: This draft Uganda standard specifies guidelines for packaging and labelling requirements for tobacco products. It applies to the message content; language and design requirements in terms of the appropriate location, size and colour.

### **4. FDUS 875:2009, Lipstick — specification.**

Scope: This final draft Uganda standard prescribes the requirements and methods of sampling and test for lipstick.

### **5. FDUS 842:2009, General requirements for the production, distribution, publishing and filing of audio/audiovisual works of art.**

Scope: This Final Draft Uganda Standard lays down the requirements for the production, publication, reproduction, distribution, making available and filing of audio/audiovisual works of art normally distributed in electronic formats for entertainment through mediums (carriers) such as Compact Discs (CDs), Digital Video Discs (DVDs), Video Compact Discs (VCDs), Audio or Video Cassette and any other storage medium .

### **6. FDUS ISO 4074:2002 Natural latex rubber condoms — Requirements and test methods.**

Scope: This final draft Uganda Standard specifies the minimum requirements and the test methods to be used for condoms made from natural rubber latex which are supplied to consumers for contraceptive purposes and to assist in the prevention of sexually transmitted infections. *(This final draft Uganda Standard is an adoption of the Final draft Uganda Standard ISO 4074:2002)*

### **7. FDUS ISO 16037:2002 Rubber condoms for clinical trials — Measurement of physical properties.**

Scope: This final draft Uganda Standard is intended as a guideline for clinical researchers working with condoms. It suggests a series of laboratory tests to be conducted on the products to be used in any clinical investigation, so that it will be easier to relate the clinical results to the design and quality of the condoms used.

This Standard is not applicable to the design of clinical investigations. *(This final draft Uganda Standard is an adoption of the International Standard ISO 16037:2002)*

**8. FDUS ISO 16038:2005, Rubber Condoms — Guidance on the use of ISO 4074 in quality management of natural rubber latex condoms.**

Scope: This final draft Uganda standard provides guidance on using ISO 4074 and addresses quality issues to be considered during the development, manufacture, quality verification and procurement of condoms. It encompasses the aspects of quality management systems in design, manufacture and delivery of condoms with emphasis on performance, safety and reliability of condoms. *(This final draft Uganda Standard is an adoption of the international Standard ISO 16038:2005)*

**9. FDUS 874:2009, Methods of test for safety evaluation of cosmetics.**

Scope: This final draft Uganda standard covers methods of test for safety evaluation of cosmetics

## **ENGINEERING STANDARDS**

### **FINAL DRAFT UGANDA STANDARDS FOR PARTICLEBOARDS**

**1. FDUS 839: Particleboards – Specifications**

**Scope:** This draft Uganda Standard specifies the requirements for resin-bonded unfaced particleboards.

This draft standard does not give requirements for Oriented Boards (OSB) and does not apply to extruded particleboards.

**2. FDUS 837: Decorative melamine-faced boards**

**Scope:** This draft Ugandan standard specifies the requirements for decorative aminoplast-faced boards, which are referred to as decorative melamine-faced boards (MFB) or low-pressure laminates, and are used, for example, for furniture and interior work.

**3. FDUS ISO 4586-1:1997: High-pressure laminates – Sheets from thermosetting resins – Part 1: Classification and specifications**

**Scope** This part of ISO 4586 establishes a classification system for high-pressure decorative laminated sheets according to their performance and main recommended fields of application, including materials with special characteristics, for example post formability or defined reaction to fire.

**4. FDUS ISO 4586-2 High-pressure decorative laminates — Sheets made from thermosetting resins —Part 2: Determination of properties**

**Scope:** This part of ISO 4586 specifies methods of test for determination of the properties of high-pressure decorative laminated sheets as defined in Clause 3. These methods are primarily intended for testing the sheets specified in ISO 4586-1.

# **FINAL DRAFT STANDARDS PROPOSED FOR RECOMMENDING TO THE MINISTER FOR DECLARATION AS MANDATORY UGANDA STANDARDS**

## **Food and agriculture**

### **Potato standards**

#### **1.FDUS 702: 2009, Fried Potato chips — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements and the method of sampling and testing for fried potato chips.

#### **2.FDUS 703: 2009, Potato crisps — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements and the methods of sampling and test for crisps made from tubers of potato (*Solanum tuberosum* L.)

#### **3.FDUS 705: 2009, Fresh Potatoes — Specification.**

Scope: This final draft Uganda Standard specifies the requirements for potatoes (*Solanum tuberosum* L.) to be supplied fresh and either packaged or sold loose for human consumption.

It does not cover the requirements for potatoes that are not fresh and are intended for industrial processing or seed potato.

#### **4.FDUS 708: 2009, Frozen Potato chips — Specification.**

Scope: This final draft Uganda Standard specifies the requirements for frozen potato (*Solanum tuberosum* L.) chips to be supplied packaged either in retail packs or in bulk for direct consumption or further processing.

### **Animal feeds standards**

#### **5.FDUS 806:2009, Poultry feeds — Specification.**

Scope: This final draft Uganda Standard prescribes specifications for the following poultry feeds: broiler starter feed; broilers finishing feed; chick and duck feed; poultry grower feed; turkey starter feed; layer feed; and breeders feed.

#### **6.FDUS 807:2009, Cattle feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the cattle feeds, licks and concentrates; dry calf starter feed, calf feed, dairy feed, high energy protein beef feed, high energy urea beef feed, low urea lick, high urea lick and calf lick.

#### **7. FDUS 808:2009, Dog feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the dog feeds.

#### **8.FDUS 811:2009, Pig feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the following feeds: pig creep feed; pig growers feed; pig finishing feed; and pig breeders feed (sow and weaner feed).

**9.FDUS 812:2009, Goats and sheep feeds — Specification.**

Scope: This Final Draft Uganda Standard prescribes requirements for the goats and sheep feeds.

**10. FDUS 813:2009, Rabbit feeds — Specification**

Scope: This Final Draft Uganda Standard prescribes requirements for rabbit feeds.

**11.FDUS 814:2009, Fish feeds — Specification.**

Scope: This final draft Uganda Standard prescribes requirements for fish feeds:

**12.FDUS 815:2009, Cat feeds — Specification.**

Scope: This final draft Uganda Standard prescribes requirements for cat feeds:

**13.FDUS EAS 97:1999, Fishmeal — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for fishmeal for use in compounding livestock feeds.

**14.FDUS EAS 230:2001, Maize bran as livestock feed — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for maize bran as a livestock feed.

**15.FDUS EAS 231:2001, Bone meal for compounding animal feeds — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for bone meal used as a mineral supplement in animal feeds.

**16.FDUS EAS 232: 2001, Maize gluten feed — Specification.**

Scope: This final draft Uganda Standard prescribes the requirements for maize gluten feed used for livestock feeding.

**17.FDUS EAS 233: 2001, Ostrich feed — Specification.**

Scope: This final draft Uganda Standard specifies the requirements and test methods for ostrich feed.

**18.FDUS EAS 353:2004, Wheat bran for animal feeds — Specification.**

Scope: This final draft Uganda Standard prescribes requirements for wheat bran for use as animal feedstuff and or ingredient for compounding animal feeds.

**Chemical and consumer products**

**1. FDUS 312: 2009; Safety matches — Specification (second edition 2009).**

Scope: This Final Draft Uganda standard prescribes the requirements, for sampling and methods of testing for safety matches that has been packed in any suitable material. This includes; wood, book and wax matches. *(This final draft Uganda Standard cancels and replaces US 312:2003, which has been revised).*

## **2. FDUS 842: General requirements for the production, distribution, publishing and filing of audio/audiovisual works of art.**

Scope: This Final Draft Uganda Standard lays down the requirements for the production, publication, reproduction, distribution, making available and filing of audio/audiovisual works of art normally distributed in electronic formats for entertainment through mediums (carriers) such as Compact Discs (CDs), Digital Video Discs (DVDs), Video Compact Discs (VCDs), Audio or Video Cassette and any other storage medium .

## **3. FDUS ISO 4074:2002 Natural latex rubber condoms — Requirements and test methods.**

Scope: This final draft Uganda Standard specifies the minimum requirements and the test methods to be used for condoms made from natural rubber latex which are supplied to consumers for contraceptive purposes and to assist in the prevention of sexually transmitted infections.

## **4. FDUS US EAS 96:2009, Sanitary towels — specification.**

Scope: This final draft Uganda standard specifies the requirements for sanitary towels used during menstruation. This standard does not apply to serviettes, refreshing towels and napkins, panty liners and pads used during post delivery period.

## **5. FDUS 841:2009, Requirements for packaging and labelling of tobacco products.**

Scope: This draft Uganda standard specifies requirements for packaging and labelling requirements for tobacco products. It applies to the message content; language and design requirements in terms of the appropriate location, size and colour.

## **6. FDUS 875:2009, Lipstick — specification.**

Scope: This final draft Uganda standard prescribes the requirements and methods of sampling and test for lipstick.

## **Engineering**

### **1. FDUS 839: Particleboards – Specifications**

**Scope:** This draft Uganda Standard specifies the requirements for resin-bonded unfaced particleboards.

This draft standard does not give requirements for Oriented Boards (OSB) and does not apply to extruded particleboards.

### **2. FDUS 837: Decorative melamine-faced boards**

**Scope:** This draft Ugandan standard specifies the requirements for decorative aminoplast-faced boards, which are referred to as decorative melamine-faced boards (MFB) or low-pressure laminates, and are used, for example, for furniture and interior work.

### **3. FDUS ISO 4586-1:1997: High-pressure laminates – Sheets from thermosetting resins – Part 1: Classification and specifications**

**Scope** This part of ISO 4586 establishes a classification system for high-pressure decorative laminated sheets according to their performance and main recommended fields of application, including materials with special characteristics, for example post formability or defined reaction to fire.

#### **4. FDUS ISO 4586-2 High-pressure decorative laminates — Sheets made from thermosetting resins —Part 2: Determination of properties**

**Scope:** This part of ISO 4586 specifies methods of test for determination of the properties of high-pressure decorative laminated sheets as defined in Clause 3. These methods are primarily intended for testing the sheets specified in ISO 4586-1

## **ANNEX C LIST OF STANDARDS PROPOSED FOR WITHDRAWAL**

### **C.1 SPICES**

#### **1. US 37:1993, Standard specification for vanilla**

This standard has been replaced by FDUS ISO **5565-1**:

### **C.2 ANIMAL FEEDS**

#### **1. US 447:2002/ISO 5510, Animal feeding stuffs — Determination of available lysine**

This standard has been republished under a new reference number **FDUS ISO 5510:1984**.

#### **2. US 448:2002/ISO 5983-1, Animal feeding stuffs — Determination of nitrogen content and calculation of crude protein content — Part 1: Kjeldahl method**

This standard has been revised and published under a new reference number **FDUS ISO 5983-1:2005**.

#### **3. US 449:2002/ ISO 5984, Animal feeding stuffs — Determination of crude ash**

This standard has been revised and published under a new reference number, **FDUS ISO 5984:2002**.

#### **4. US 450:2002/ ISO5985, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid**

This standard has been revised and published under a new reference number, **FDUS ISO 5985:2002**.

#### **5. US 451-1:2002/ ISO 6491:1998, Animal feeding stuffs — Determination of phosphorus content — Spectrometric method**

This standard has been republished under a new reference number **FDUS ISO 6491:1998**.

#### **6. US 452:2002/ ISO 6490-1, Animal feeding stuffs — Determination of calcium content — Part 1: Titrimetric method**

This standard has been republished under a new reference number, **FDUS ISO 6490-1:1985**.

#### **7. US 453:2002/ ISO 6495:1999, Animal feeding stuffs — Determination of water-soluble chlorides content**

This standard has been republished under a new reference number, **FDUS ISO 6495:1999**.

#### **8. US 454:2002/ISO 6496:1999, Animal feeding stuffs — Determination of moisture and other volatile matter content.**

This standard has been republished under a new reference number, **FDUS ISO 6496:1999**.

**9. US 455:2002/ISO 6498:1998, Animal feeding stuffs — Preparation of test samples**

This standard has been republished under a new reference number, **FDUS ISO 6498:1998**.

**10. US 456:2003/ ISO 6651:2001, Animal feeding stuffs — Semi-quantitative determination of aflatoxin B1 — Thin-layer chromatographic methods**

This standard has been revised and published under a new reference number, **FDUS ISO 6651:2001**.

**11. US 457:2002/ ISO 6866-1985, Animal feeding stuffs - Determination of free and total gossypol**

This standard has been republished under a new reference number, **FDUS ISO 6866-1985**.

**12. US 460:2002/ISO 6655:1997, Animal feeding stuffs - Determination of soluble nitrogen content after treatment with pepsin in dilute hydrochloric acid**

This standard has been republished under a new reference number, **FDUS ISO 6655:1997**.

**C.3 CHEMICALS AND CONSUMER PRODUCTS STANDARDS**

- 1. US 312: 2003; Safety matches — Specification (First edition 2003)**
- 2. US EAS 96 2003: Sanitary towels — Specification (First edition 2003)**