



23 September 2024

(24-6524)

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Committee on Sanitary and Phytosanitary Measures

Original: English

NOTIFICATION

1.	Notifying Member: <u>UGANDA</u> If applicable, name of local government involved:
2.	Agency responsible: Uganda National Bureau of Standards
3.	Products covered (provide tariff item number(s) as specified in national schedules deposited with the WTO; ICS numbers should be provided in addition, where applicable): Insects, fit for human consumption (HS code(s): 041010); Other standards related to farming and forestry (ICS code(s): 65.020.99); Edible crickets
4.	Regions or countries likely to be affected, to the extent relevant or practicable: <input checked="" type="checkbox"/> All trading partners <input type="checkbox"/> Specific regions or countries:
5.	Title of the notified document: DUS DARS 1261: 2024, Edible insects - Edible crickets - Specification, First edition. Language(s): English. Number of pages: 18 https://members.wto.org/crnattachments/2024/SPS/UGA/24_06066_00_e.pdf
6.	Description of content: This Draft Uganda Standard specified the requirements, sampling and test methods for edible crickets processed and offered for human consumption.
7.	Objective and rationale: <input checked="" type="checkbox"/> food safety, <input type="checkbox"/> animal health, <input type="checkbox"/> plant protection, <input type="checkbox"/> protect humans from animal/plant pest or disease, <input type="checkbox"/> protect territory from other damage from pests.
8.	Is there a relevant international standard? If so, identify the standard: <input type="checkbox"/> Codex Alimentarius Commission (e.g. title or serial number of Codex standard or related text): <input type="checkbox"/> World Organization for Animal Health (OIE) (e.g. Terrestrial or Aquatic Animal Health Code, chapter number): <input type="checkbox"/> International Plant Protection Convention (e.g. ISPM number): <input checked="" type="checkbox"/> None Does this proposed regulation conform to the relevant international standard? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, describe, whenever possible, how and why it deviates from the international standard:

9. Other relevant documents and language(s) in which these are available:

- ISO 4833-1, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique
- ISO 5983-1, Animal feeding stuffs — Determination of nitrogen content and calculation of crude protein content — Part 1: Kjeldahl method
- ISO 5985, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid
- ISO 6633, Fruits, vegetables and derived products — Determination of lead content — Flameless atomic absorption spectrometric method
- ISO 6496, Animal feeding stuffs — Determination of moisture and other volatile matter content
- ISO 6579, Microbiology of food — Horizontal method for the detection of *Salmonella* spp.
- ISO 6888-1, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) — Part 1: Technique using baird-pac
- ISO 7251, Microbiology of food — Horizontal method for the detection and enumeration of suspected *Escherichia coli* — Most probable number technique
- ISO 10272-1, Microbiology of the food chain-Horizontal method for detection and enumeration of *Campylobacter* spp. — Part 1: Detection method
- ISO 11290-2, Microbiology of the food chain-Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. — Part 2: Enumeration method
- ISO 13547-2, Copper, lead, zinc and nickel sulphide concentrates — Determination of arsenic — Part 2: Acid digestion and inductively coupled plasma atomic emission spectrometric method
- ISO 16050, Foodstuffs — Determination of aflatoxin B₁, and the total content of aflatoxins B₁, B₂, G₁ and G₂ in cereals, nuts and derived products — High-performance liquid chromatographic method
- ISO 16649-2, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of B-glucuronidase-positive *Escherichia coli* — Part 1: Colony-count technique at 44 using membranes and 5-bromo-4
- ISO 21527-1, Food microbiology — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0.95
- ISO 21527-2, 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
- ISO 23776, Meat and meat products — Determination of total phosphorous content
- ISO 27085, Animal feeding stuffs — Determination of calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum, arsenic, lead and cadmium by ICPAES
- Kemsawasd, V., Inthachat, W., Suttisansanee, U. and Temviriyankul, P. (2022) Road to The Red Carpet of Edible Crickets through Integration into the Human Food Chain with Biofunctions and Sustainability: A Review. International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute. 23, 1801. <https://doi.org/10.3390/ijms23031801>
- Magara, H.J.O., Niassy, S., Ayieko, M.A., Mukundamago, M., Egonyu, J.P., Tanga, C.M. et al. (2021) Edible Crickets (Orthoptera) Around the World: Distribution, Nutritional Value, and Other Benefits—A Review. Frontiers in Nutrition, 7
- Belluco, S., Losasso, C., Maggioletti, M., Alonzi, C.C., Paoletti, M.G. and Ricci, A. (2013) Edible Insects in a Food Safety and Nutritional Perspective: A Critical Review. Comprehensive Reviews in Food Science and Food Safety, 12, 296–313. <https://doi.org/10.1111/1541-4337.12014>
- Cloutier, J. (2015) Edible Insects in Africa - An Introduction to Finding, Using and Eating Insects. 1st Edition. Technical Centre for Agricultural and Rural Cooperation (CTA), Wageningen, The Netherlands.
- EFSA Panel on Nutrition, Novel Foods and Food Allergens (NDA), Turck, D., Bohn, T., Castenmiller, J., De Henauw, S., Hirsch-Ernst, K.I. et al. (2022) Safety of Partially Defatted House Cricket (*Acheta domesticus*) Powder as a Novel Food Pursuant to Regulation (EU) 2015/2283. EFSA Journal, 20. <https://doi.org/10.2903/j.efsa.2022.7258>

	<ul style="list-style-type: none"> – EFSA Panel on Nutrition, Novel Foods and Food Allergens (NDA), Turck, D., Bohn, T., Castenmiller, J., De Henauw, S., Hirsch-Ernst, K.I. et al. (2021) Safety of Frozen and Dried Formulations from Whole House Crickets (<i>Acheta domesticus</i>) as a Novel Food Pursuant to Regulation (EU) 2015/2283. EFSA Journal, 19, e06779. https://doi.org/10.2903/j.efsa.2021.6779 – Hahn, T., Roth, A., Febel, E., Fijalkowska, M., Schmitt, E., Arsiwalla, T. et al. (2018) New Methods for High-Accuracy Insect Chitin Measurement. Journal of the Science of Food and Agriculture, 98, 5069–73. https://doi.org/10.1002/jsfa.9044 – Uganda Gazette
10.	<p>Proposed date of adoption (dd/mm/yy): To be determined.</p> <p>Proposed date of publication (dd/mm/yy): To be determined.</p>
11.	<p>Proposed date of entry into force: [] Six months from date of publication, and/or (dd/mm/yy): To be determined.</p> <p>[X] Trade facilitating measure</p>
12.	<p>Final date for comments: [X] Sixty days from the date of circulation of the notification and/or (dd/mm/yy): 22 November 2024</p> <p>Agency or authority designated to handle comments: [] National Notification Authority, [] National Enquiry Point. Address, fax number and e-mail address (if available) of other body:</p> <p>Uganda National Bureau of Standards Plot 2-12 ByPass Link, Bweyogerere Industrial and Business Park P.O. Box 6329 Kampala, Uganda Tel: +(256) 4 1733 3250/1/2 Fax: +(256) 4 1428 6123 E-mail: info@unbs.go.ug Website: https://www.unbs.go.ug</p>
13.	<p>Text(s) available from: [] National Notification Authority, [] National Enquiry Point. Address, fax number and e-mail address (if available) of other body:</p> <p>Uganda National Bureau of Standards Plot 2-12 ByPass Link, Bweyogerere Industrial and Business Park P.O. Box 6329 Kampala, Uganda Tel: +(256) 4 1733 3250/1/2 Fax: +(256) 4 1428 6123 E-mail: info@unbs.go.ug Website: https://www.unbs.go.ug</p>