NOTIFICATION

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| **1.** | **Notifying Member:** UGANDA**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:****[X] All trading partners** **[ ] 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: [X] food safety, [ ] animal health, [ ] plant protection, [ ] protect humans from animal/plant pest or disease, [ ] protect territory from other damage from pests.**  |
| **8.** | **Is there a relevant international standard? If so, identify the standard:****[ ] Codex Alimentarius Commission *(e.g. title or serial number of Codex standard or related text)*:** **[ ] World Organization for Animal Health (OIE) *(e.g. Terrestrial or Aquatic Animal Health Code, chapter number)*:** **[ ] International Plant Protection Convention *(e.g. ISPM number)*:** **[X] None****Does this proposed regulation conform to the relevant international standard?** **[ ] Yes [ ] 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 ºC 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 Temviriyanukul, 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>
* 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 (Acheta domesticus) 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
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| **10.** | **Proposed date of adoption *(dd/mm/yy)*:** To be determined.**Proposed date of publication *(dd/mm/yy)*:** To be determined. |
| **11.** | **Proposed date of entry into force: [ ] Six months from date of publication**, **and/or** ***(dd/mm/yy)*:** To be determined.**[X] Trade facilitating measure**  |
| **12.** | **Final date for comments: [X] Sixty days from the date of circulation of the notification and/or *(dd/mm/yy)*:** 22 November 2024**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:** Uganda National Bureau of StandardsPlot 2-12 ByPass Link, Bweyogerere Industrial and Business ParkP.O. Box 6329Kampala, UgandaTel: +(256) 4 1733 3250/1/2Fax: +(256) 4 1428 6123E-mail: info@unbs.go.ugWebsite: <https://www.unbs.go.ug> |
| **13.** | **Text(s) available from: [ ] National Notification Authority, [ ] National Enquiry Point. Address, fax number and e-mail address (if available) of other body:** Uganda National Bureau of StandardsPlot 2-12 ByPass Link, Bweyogerere Industrial and Business ParkP.O. Box 6329Kampala, UgandaTel: +(256) 4 1733 3250/1/2Fax: +(256) 4 1428 6123E-mail: info@unbs.go.ugWebsite: <https://www.unbs.go.ug> |