NOTIFICATION

The following notification is being circulated in accordance with Article 10.6

|  |  |
| --- | --- |
| **1.** | **Notifying Member:** Uganda **If applicable, name of local government involved (Article 3.2 and 7.2):**  |
| **2.** | **Agency responsible:** Uganda National Bureau of Standards**Name and address (including telephone and fax numbers, email and website addresses, if available) of agency or authority designated to handle comments regarding the notification shall be indicated if different from above:**  |
| **3.** | **Notified under Article 2.9.2 [ ], 2.10.1 [****], 5.6.2 [X], 5.7.1 [ ], other:** |
| **4.** | **Products covered (HS or CCCN where applicable, otherwise national tariff heading. ICS numbers may be provided in addition, where applicable):** Waters, including natural or artificial mineral waters and aerated waters, not containing added sugar or other sweetening matter nor flavoured; ice and snow. (HS 2201). Drinking water (ICS 13.060.20). |
| **5.** | **Title, number of pages and language(s) of the notified document:** DUS 2089: 2018, Standard Test Method for Uranium in Drinking Water by High-Resolution Alpha-Liquid-Scintillation Spectrometry, First Edition. (15 page(s), in English)  |
| **6.** | **Description of content:** This draft Uganda standard specifies a test method for the determination of total soluble uranium activity in drinking water in the range of 0.037 Bq/l (1 pCi/l) or greater by selective solvent extraction and high-resolution alpha-liquid-scintillation spectrometry. The energy resolution obtainable with this technique also allows estimation of the 238U to 234U activity ratio. |
| **7.** | **Objective and rationale, including the nature of urgent problems where applicable:** Protection of human health or safety; Harmonization |
| **8.** | **Relevant documents:** 1. ASTM D1129-13, Standard Terminology Relating to Water
2. ASTM D1193-06(2018), Standard Specification for Reagent Water
3. ASTM D2777-13, Standard Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D19 on Water
4. ASTM D3370-10, Standard Practices for Sampling Water from Closed Conduits
5. ASTM D3648-14, Standard Practices for the Measurement of Radioactivity
6. ASTM D5847, Standard Practice for Writing Quality Control Specifications for Standard Test Methods for Water Analysis
7. ASTM D7282-14, Standard Practice for Set-up, Calibration, and Quality Control of Instruments Used for Radioactivity Measurements
8. "Glossary of Terms Used in Nuclear Analytical Chemistry," Pure Appl. Chem., Vol 54, 1982.
9. McDowell, W. J., McDowell, Betty, Liquid Scintillation Alpha Spectrometry, Chemical Rubber Company, Boca Raton, FL, 1994.
10. Reagent Chemicals, American Chemical Society Specifications, American Chemical Society, Washington, DC. For Suggestions on the testing of reagents not listed by the American Chemical Society, see Annual Standards for Laboratory Chemicals, BDH Ltd., Poole, Dorset, U.K., and the United States Pharmacopeia and National Formulary, U.S. Pharmacopeial Convention, Inc. (USPC), Rockville, MD.
11. Cadieux, J. R., " Evaluation of a Photo-Electron (sic) Rejecting Alpha Liquid Scintillation(PERALS®) Spectrometer for the Measurement of Alpha-Emitting Radionuclides(U)," 7th Symposium on Radiation Measurement and Applications, University of Michigan, Ann Arbor, MI, May 1990.
12. Burnett, W. and Tai, W., Analytical Chemistry, Vol 64, No. 15, 1992.
 |
| **9.** | **Proposed date of adoption:**December 2018**Proposed date of entry into force:**Not applicable |
| **10.** | **Final date for comments:** 60 days from notification |
| **11.** | **Texts available from: National enquiry point [****X] or address, telephone and fax numbers and email and website addresses, if available, of other body:**  |