Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this fied

ORDER

№ A 374
Sofia, 14.06.2022

Pursuant to Art. 10, para. 1, item 2a, Art. 32 item 1 of the Law on National Accreditation of Conformity Assessment bodies, item 5.3.1 in connection with amendment of elements of the certificate content, according to the item 4.3.8. (f) of BAS QR 2 Accreditation Procedure, BAS QF 2.9.5.4 report reg. № 313/251 ОКА/24/В/28.02.2022, annex G2 Section reg. № 313/251 ОКА/26/В/11.04.2022 and EA BAS order № A 373/14.06.2022, I hereby

AMEND

EA BAS order № A 433/30.09.2019

Inspection Body of type A
at National centre for radiobiology and radiation protection, Sofia

Management and office address:
1606 Sofia, 3 Sv. Georgi Sofiyski Blvd, building 7

To perform inspection of:

Type of the scope: *flexible for part of the scope**

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
1.	Occupational exposure	Of new and/or operational sites/facilities	Individual effective dose from external photon radiation by film dosimetry system	I-ВВМ-01** (version 1/ 13.04.2006) 1-ПК-01	Ordinance (НРЗ-2018), (SG № 16/2018) Ordinance № 32 (SG № 91/2005)
		Of new and/or operational sites/facilities	Individual effective dose from external photon radiation by thermal luminescence dosimetry system	I-ВВМ-02** (version 1/ 18.04.2006) 1-ПК-02	Ordinance (НРЗ -2018), (SG № 16/2018) Ordinance № 32 (SG № 91/2005)
2.	Entry of artificial, gammaquantum emitting radionuclides into the body of personnel and population	Of new and/or operational sites/facilities	Activity of artificial, gamma- quantum emitting radionuclides into the human body, using a whole-body counter	2-ВВМ-01** (version 2/ 17.04.2006) 2-ПК-01	Ordinance (НРЗ -2018), (SG № 16/2018)
3.	Radiation protection and radiation parameters of working and living environment	Of new and/or operational sites/facilities	Dose and dose rate of X-ray radiation in air	БДС EN 60601-1-3/A1/AC 5-ПК-01	Ordinance (НРЗ-2018), (SG № 16/2018) TS
		Of new and/or operational sites/facilities	Gamma radiation dose rate in air for outdoor and indoor terrains and areas	3-ПК-01	Ordinance (НРЗ-2018), (SG № 16/2018)

1797 Sofia, Dr. G.M. Dimitrov Blvd. 52 A, floor 7
Tel. 02 976 6401, Fax: 02 976 6415
e-mail: office@nab-bas.bg

Type of the scope: *flexible for part of the scope**					
№	**Field of Inspection**	**Type of Inspection**	**Parameter of Inspection / Characteristic**	**Test and Measurement Methods Used During Inspection, Inspection Procedure**	**Regulations, Standards, Specifications, Schemes**
1	**2**	**3**	**4**	**5**	**6**
		Of new and/or operational sites/facilities	Surface radionuclide contamination by direct measurements	3-ПК-02	Ordinance (НРЗ-2018), (SG № 16/2018) Ordinance № 1 (SG № 101/1999) Ordinance on Safety in the Management of RAW, (SG № 76/2013) TS
		Of new and/or operational or in use sites/facilities/products	Surface radionuclide contamination by indirect measurements	3-ПК-03	Ordinance (НРЗ-2018), (SG № 16/2018) Ordinance № 1 (SG № 101/1999) Ordinance on Safety in the Management of RAW, (SG № 76/2013) TS
4.	Radiation protection in diagnostic X-ray equipment	Of new and/or operational sites/facilities	Air kerma (decreasing/ incoming)/ air kerma power	БДС EN 60601-1-3 /A1/AC 5-ПК-02	Ordinance № 2 (SG № 13/2018) TS
5.	Radiological indicators of natural mineral, spring and table waters intended for drinking purposes; of waste water discharged into water objects; of surface and ground waters	Of new and/or operational or in use sites/facilities/products	Total beta-activity	БДС 12577 4-ПК-03	Ordinance № 9 (for official inspection purposes) (SG 30/2001) Ordinance № 12 (SG № 63/2002) Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking purposes (SG 68/2004) Ordinance № Н-4 (SG № 22/2013) Ordinance № 14 (SG № 79/1987) Ordinance № 6 (SG 97/2000) Ordinance № 1 (SG № 101/1999) Ordinance № 1 (SG № 87/2007)
		Of new and/or operational or in use sites/facilities/products	Total alpha activity	БДС EN ISO 9696: 4- ПК-09	Ordinance № 9 (for official inspection purposes) (SG № 30/2001) Ordinance № 12 (SG № 63/2002) Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking purposes (SG 68/2004) Ordinance № Н-4 (SG № 22/2013) Ordinance № 14 (SG № 79/1987) Ordinance № 1 (SG 101/1999) Ordinance № 1 (SG № 87/2007)
		Of new and/or operational or in use sites/facilities/products	Natural uranium - by radiochemical analysis	БДС 12578 4-ПК-01	Ordinance № 9 (for official inspection) (SG № 30/2001) Ordinance № 12 (SG № 63/2002) Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking purposes (SG № 68/2004) Ordinance № Н-4 (SG № 22/2013) Ordinance № 14 (SG № 79/1987) Ordinance № 6 (SG № 97/2000) Ordinance № 1 (SG № 101/1999)

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№	**Field of Inspection**	**Type of Inspection**	**Parameter of Inspection / Characteristic**	**Test and Measurement Methods Used During Inspection, Inspection Procedure**	**Regulations, Standards, Specifications, Schemes**
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					Ordinance № 1 (SG № 87/2007)
		Of new and/or operational or in use sites/facilities/products	^{226}Ra (radium- 226)- by radiochemical analysis	БДС 12575 4-ПК-02	Ordinance № 9 (for official inspection purposes) (SG 30/2001) Ordinance № 12 (SG № 63/2002) Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking purposes (SG 68/2004) Regulation № H-4 (SG № 22/2013) Regulation № 14 (SG № 79/1987) Ordinance № 6 (SG № 97/2000) Ordinance № 1 (SG № 101/1999) Ordinance № 1 (SG № 87/2007)
		Of new and/or operational or in use sites/facilities/products	^{222}Rn (radon-222) in water	БДС ISO 13164-3 4-ПК-10	Ordinance № 9 (for official inspection purposes) (SG 30/2001) Ordinance № 14 (SG 79/1987) Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking purposes (SG 68/2004) Ordinance № 1 (SG № 87/2007)
6.	Radionuclide content of agricultural products intended for human consumption (processed, partially processed and unprocessed) and foods (milk and milk products, baby foods, other foods excluding №n-essential foods, and liquid foods)	Of new and/or in use products	Specific activity of ^{90}Sr (strontium-90) - by radiochemical analysis	4-ПК-05	Ordinance № 11 (SG № 44/2002)
		Of new and/or in use products	Specific activity of ^{131}I (iodine-131)- by gamma spectrometric analysis	IEC 61452 4-ПК-04	Ordinance № 11 (SG № 44/2002)
		Of new and/or in use products	Total specific activity of ^{134}Cs (caesium-134) and ^{137}Cs (caesium-137) by gamma spectrometric analysis	IEC 61452 4-ПК-04	Ordinance № 11 (SG № 44/2002) Commission Implementing Regulation (EU) 2020/1158 of 05.08.2020 on the conditions for imports of food and feed originating in third countries following the accident at the Chernobyl nuclear power plant (OB L 257 of 06.08.2020). Commission Implementing Regulation (EU) 2021/1533 of 17.09.2021 imposing special conditions governing imports of feed and food originating in or consigned from Japan following the accident at the Fukushima nuclear power plant and repealing Implementing Regulation (EU) № 2016/6 (OB L 257, 06.08.2020)
7.	Radioactive content of cosmetic products	Of new and/or in use products	Specific activity of $^{??6}$Ra (radium - 226) - by gamma spectrometric analysis	IEC 61452 4-ПК-06	Regulation (EC) № 1223/2009 of the European Parliament and of the Council of 30.11.2009 on cosmetic products (OB L 342, 22.12.2009).

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1	**2**	**3**	**4**	**5**	**6**
8.	Specific activity in soil layers, building materials and waste	Of new and/or operational or in use sites/facilities/products	Specific activity of ^{226}Ra (radium - 226) - by gamma spectrometric analysis	IEC 61452 4-ПК-07	Ordinance № 1 (SG № 101/1999)
9.	Radionuclide content of materials and goods containing radioactive substances	Of new and/or in use products	Specific activity of natural radionuclides in commodities, excluding building materials - by gamma spectrometric analysis	IEC 61452 4-ПК-08	Ordinance № 25 (SG № 64/2005)
		Of new and/or in use products	Specific activity index of building materials - by gamma spectrometric analysis	IEC 61452 4-ПК-08	Ordinance № 25 (SG № 64/2005)
		Of new and/or in use products	Specific activity of artificial radionuclides - by gamma spectrometric analysis	IEC 61452 4-ПК-08	Ordinance № 25 (SG № 64/2005)

***Flexible scope:** Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by CAB.*

References:

Ordinance on Radiation Protection (НРЗ-2018), adopted by Decree of the Council of Ministers № 20 dated 14.02.2018, (SG № 16/2018);
Ordinance № 32 on the conditions and procedure for individual dosimetric control of persons working with sources of ionizing radiation (SG № 91/2005);
Ordinance № 1 on the norms for the purposes of radiation protection and safety in the liquidation of the consequences of the uranium industry in the Republic of Bulgaria (SG № 101/1999);
Ordinance on Safety in Radioactive Waste Management, adopted by Decree of the Council of Ministers № 185 of 23.08.2013 (SG № 76/2013);
Ordinance № 2 on the conditions and procedure for ensuring the protection of persons under medical exposure (SG № 13/2018);
Ordinance № 9 on the quality of water intended for drinking purposes (SG № 30/2001);
Ordinance № 12 on the quality requirements for surface water intended for drinking water supply (SG № 63/2002);
Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking - Ordinance on the requirements for bottled natural mineral, spring and table waters intended for drinking purposes, adopted by Decree of the Council of Ministers № 178 of 23.07.2004 (SG № 68/2004);
Ordinance № H-4 on the characterisation of surface waters (SG № 22/2013);
Ordinance № 14 on resort resources, resort areas and resorts (SG № 79/1987);
Ordinance № 6 on emission standards for the permissible content of harmful and hazardous substances in wastewater discharged into water bodies (SG №97/2000);
Ordinance № 1 on the exploration, use and protection of groundwater (SG №87/2007);
Ordinance № 11 on the determination of requirements for the limits of radioactive contamination of foodstuffs in the event of a radiation emergency (SG № 44/2002);

Ordinance № 25 on the requirements for the protection of persons in the event of chronic exposure resulting from the production, trade and use of raw materials, products and goods containing elevated levels of radionuclides (SG № 64/2005);
Council Regulation (EC) № 733/2008 of 15 July 2008 (OB L 201, 30.7.2008) on import conditions for agricultural products originating in third countries following the accident at the Chernobyl nuclear power station, as amended by Council Regulation (EC) № 1048/2009 of 23 October 2009 (OB L 290, 6.11.2009).
Regulation (EU) № 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products (OB L 342 of 22.12.2009)
TS - Technical Specification.

**** Fixed scope references:**
BBM-01 - internally validated method 01 (version 1 of 13.04.2006),
BBM-02 - internally validated method 02 (version 1 of 18.04.2006).

I ORDER

To issue the Certificate of accreditation reg. № 251 OKA/14.06.2022, valid until 30.09.2023 and this order as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from the manager / representative of the legal entity, head of the CAB, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 251 OKA /30.09.2019, and its enclosure.

This order shall be notified to the legal entity within 3(three) days from its issuance.

Eng. Irena Borislavova
Executive Director of EA BAS