Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 62

Sofia, 31.01.2024

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, items 6 and 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 21/27 ЛИ/ПА/РО/29.03.2023, assessment report reg. № 21/27 ЛИ/9/В/06.11.2023, Annex G2 reg. № 21/27 ЛИ/17/В/21.12.2023 and and Statement of the Accreditation commission reg. № 21/27 ЛИ/ПА/РО/В/22.01.2024, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION
of

National research and certification institute Ltd.
National laboratory for research of wine, spirituous beverages and essential oils

Management and laboratory address: 1606 Sofia, Krasno selo, 13, 20-ti April Str.

To perform testing of:

Type of scope: *flexible for a part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
1.	Wine (1) Products of grapes and wine (2)	1. Density and relative density (1)	OCCCWADSB Annex 4, method 1, item 4; OIV-MA-AS2-01 A/B
		2. Alcohol content (1), (2): - actual - potential - total	OCCCWADSB Annex 4, method 3, item 4; OIV-MA-AS312-01 A/B VLM: TL-16-W/2023r
		3. Extract (1) - total - sugar-free	OCCCWADSB Annex 4, method 4; OIV-MA-AS2-03B
		4. Sugar (1), (2) (reducing sugar)	OCCCWADSB Annex 4, method 5, item 3.2; OIV-MA-AS311-01A
		5. Total acidity (1)	OCCCWADSB Annex 4, method 13; OIV-MA-AS313-01, item 5.2
		6. Volatile acidity (1)	OCCCWADSB Annex 4, method 14;

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Type of scope: *flexible for a part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
			OIV-MA-AS313-02
		7. Fixed acidity (1)	OCCCWADSB Annex 4, method 15; OIV-MA-AS313-03
		8. pH (1)	OCCCWADSB Annex 4, method 24; OIV-MA-AS313-15
		9. Sulfur dioxide (1) - free - total	OCCCWADSB Annex 4, method 25, item 2.2; OIV-MA-AS323-04 A1; OIV-MA-AS323-04 A2
		10. Sorbic acid (1)	OCCCWADSB Annex 4, method 22, item 2; OIV-MA-AS313-14A; VLM: TL-6-W/2018г.
		11. Iron (1)	OCCCWADSB Annex 4, method 30, item 2; OIV-MA-AS322-05A
		12. Copper (1)	OCCCWADSB Annex 4, method 31; OIV-MA-AS322-06
		13. Zink (1)	OCCCWADSB Annex 4, method 34; OIV-MA-AS322-08
		14. Lead (1)	OCCCWADSB Annex 4, method 35; ГОСТ 30178
		15. Cyanide derivatives (1) (hydrocyanic acid)	OCCCWADSB Annex 4, method 38; OIV-MA-AS315-06
		16. Artificial colorings with organic dyes (1)	БДС 6367; OIV-MA-AS315-08, item 4.1.1., item 4.2.1
		17. Ethyl acetate (1)	OIV-MA-AS315-02A
		18. Acetaldehyde (1)	OIV-MA-AS315-01
		19. Methanol (1)	OIV-MA-AS312-03A
		20. Malvidin diglucoside (1)	OIV-MA-AS315-03, item 2
		21. Organic acids (1) - tartaric acid - lactic acid - malic acid - citric acid - succinic acid	OIV-MA-AS313-04
		22. Pressure of carbon dioxide (1)	OIV-MA-AS314-02
		23. Volatile substances (1)	OIV-MA-AS315-27*
2.	Spirituous beverages/	1. Alcohol content (1), (2), (3):	OCCCWADSB, Annex 5, method 14 A/B;

Type of scope: *flexible for a part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
	Distillates (1) Alcohol (2) Low alcohol drinks (3)	- actual	OIV-MA-BS-03; OIV-MA-BS-04; Regulation 2870, method I.B (1), (2); VLM: TL-4-LAD/2023, (3)
		2. Density/relative density (1), (2)	OIV-MA-BS-06
		3. Extract - total dry (1) - dry (2)	OCCCWADSB Annex 5, method 15 (1), method 10 (2); OIV-MA-BS-09 (1); OIV-MA-BS-10 (1); Collection OIV-page 303 (2)
		4. Methanol (1), (2), (3)	OCCCWADSB Annex 5, method 16 (1), (2); OIV-MA-BS-14 (1), (2); Regulation 2870, method III.2* (1), (2); VLM: TL-1-LAD/2023, (3)
		5. Aldehydes (1), (2), (3)	OCCCWADSB Annex 5, method 16*(1), (2); OIV-MA-BS-14*(1), (2); Regulation 2870, method III.2 (1), (2); VLM: TL-1-LAD/2023, (3)
		6. Esters (1), (2), (3) (as ethyl acetate)	OCCCWADSB Annex 5, method 16 (1), (2); OIV-MA-BS-14 (1), (2); Regulation 2870, method III.2 (1), (2); VLM: TL-1-LAD/2023, (3)
		7. Higher alcohols (1), (2), (3), as: 1-butanol 2-butanol 1-propanol 2-methyl-1-propanol 3-methyl-1-butanol 2-methyl-1-butanol	OCCCWADSB Annex 5, method 16 (1), (2); OIV-MA-BS-14 (1), (2); Regulation 2870, method III.2 (1), (2); VLM: TL-1-LAD/2023, (3)
		8. Total acidity (1), (2), (3)	OCCCWADSB Annex 5, method 6 (1), (2); Collection OIV page 295 (1), (2); OIV-MA-BS-12, item 8.1 (1); Regulation 2870, method III.3, item 8.1 (1), (2); VLM: TL-2-LAD/2023, (3)
		9. Volatile acidity (1) (as acetic acid)	Collection OIV-page 110

Type of scope: *flexible for a part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
		10. Furfural (1), (2)	OCCCWADSB Annex 5, method 11 (1), (2); Collection OIV-page140 (1); page 305 (1), (2); Regulation 2870, method X (1), (2)
		11. Cyanide derivatives (1), (2) (as hydrocyanic acid)	Collection OIV – page 164(1); VLM: TL-1-S/2018 (1), (2)
		12. Sugar (1), (3)	OCCCWADSB Annex 5, method 17 (БДС 6410:1985, cl. 4) (1); Collection OIV – page 93(1); VLM: TL-3-LAD/2023, (3)
		13. pH (1)	OIV-MA-BS-13
		14. Copper (1), (2)	OIV-MA-BS-30
		15. Iron (1), (2)	OIV-MA-BS-31
		16. Lead (1), (2)	OIV-MA-BS-32 ГОСТ 30178
		17. Volatile substances (1), as a sum of: -ethyl acetate, -acetaldehyde, -high alcohols, -total acidity, -volatile acidity	OCCCWADSB Annex 5, method 16; OIV-MA-BS-14; Regulation 2870, method III.2
		18.Denatonium benzoate (bittrex)	VLM: TL-3-S/2021
		19. 2-Propanol (isopropanol)	VLM: TL-2-S/2021
		20. Methyl ethyl ketone (2-butanone)	VLM: TL-2-S/2021
3.	Wine vinegar. Vinegar / Sour product	1. Alcohol content: - residual	OIV-MA-VI-05; VLM: TL-1-Vr/2020.
		2. Total dry extract	OIV-MA-VI-06; VLM: TL-2-Vr/2020
		3. Total acidity (as acetic acid)	OIV-MA-VI-01; VLM: TL-3- Vr/2020
		4. Sulfur dioxide - free - total	OIV-MA-VI-09; VLM: TL-4-Vr/2020
		5. Artificial colorings with organic dyes	БДС 6367; VLM: TL-5-Vr/ 2020
		6. Density and relative density	VLM: TL-6-Vr/2020
4.	Essential oils (1) Rose water (2)	1. Relative density (1), (2)	БДС ISO 279
		2. Content of ethyl alcohol	item 4.3 BS-II-02

Type of scope: *flexible for a part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
		(2)	(OIV MA-BS-03)
		3. Content of essential oil (2)	item 4.4 BS-II-02
		4. pH[2]	item 4.6 BS-II-02
		5.Identification of citronerol, nerol, geraniol and phenyl ethyl alcohol (2)	item 4.5 BS-II-02 (БДС ISO 11024-1; БДС ISO 11024-2)
		6. Acid value (1)	БДС ISO 1242, cl. 9.2
		7. Ester value (1)	БДС ISO 709
		8.Chromatographic profile of essential oil (1)	БДС ISO 11024-1* БДС ISO 11024-2*
		9.The refractive index (1)	БДС ISO 280
		10. The angle of rotation of the plane of polarization (1)	БДС ISO 592

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 laboratory.*

- * *Within its competence, the laboratory is authorized to determine all characteristics (column 3) according to the noted test methods (column 4), belonging to the group of products (column 2) after verification/validation, provision of SRM and calibrated technical instrument. The laboratory maintains a detailed, dated list of products and characteristics belonging to the products and characteristics mentioned in the scope of accreditation.*

Fixed scope references:

1. VLM:TL-1-Vr/2020 Determination of alcohol content in vinegar and sour product.
2. VLM:TL-2-Vr/2020 Determination of total dry extract in vinegar and sour product.
3. VLM:TL-3-Vr/2020 Determination of total acidity in vinegar and sour product.
4. VLM:TL-4-Vr/2020 Determination of sulfur dioxide, total and free in vinegar and sour product.
5. VLM:TL-5-Vr/2020 Determination of artificial colorings with organic dyes in vinegar and sour product.
6. VLM:TL-6-Vr/2020 Determination of density and relative density in vinegar and sour product.
7. VLM:TL-6-W/2018 Sorbic acid.
8. VLM:TL-1-S/2018 Cyanide derivatives (as hydrocyanic acid).
9. VLM:TL-2-S/2021 Determination of the content of 2-propanol (isopropanol) and methyl ethyl ketone (2-butanone) in alcohol and spirit drink/distillate.
10. VLM:TL-3-S/2021 Determination of denatonium benzoate content in spirit and spirit/distillate.
11. VLM:TL-16-W/2023 Determination of potential and total alcohol content in wine and grape and wine products.
12. VLM:TL-1-LAD/2023 Determination of volatile substances in low-alcohol beverages.
13. VLM:TL-2-LAD/2023 Determination of total acidity in low-alcohol beverages.
14. VLM:TL-3-LAD/2023 Determination of sugars in low-alcohol beverages.
15. VLM:TL-4-LAD/2023 Determination of alcohol content in low-alcohol beverages.

I ORDER

To issue the certificate of accreditation reg. № 27 ЛИ/31.01.2024, valid until 31.01.2028, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of the National research and certification institute Ltd, the head of National laboratory for research of wine, spirituous beverages and essential oils, at National research and certification institute Ltd, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 27 ЛИ/06.10.2022, valid until 29.11.2023 and an enclosure – EA BAS order reg. № А 583/06.10.2022.

This order shall be notified to the National research and certification institute Ltd. within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS