



ORDER

№ A 155

Sofia, 26.04.2024

Pursuant to Art. 10, para. 1, item 4, and Art. 28 para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 6 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 268/1 ЛИ/ПА/20.09.2023, assessment report reg. № 268/1 ЛИ/4/В/13.12.2023, declaration reg. № 268/1 ЛИ/2/П/30.01.2024 and statement of the Accreditation Commission with per. No. 268/1 ЛИ /ПА/8/В/10.04.2024, I hereby

RE-ACCREDIT

**ELLATZITE-MED AD
TESTING LABORATORY**

Management address: 2086 Mirkovo, Mirkovo Municipality, Sofia-Region
Laboratory address: 2086 Mirkovo, Mirkovo Municipality, Sofia-Region

To perform testing of:

Type of the scope: flexible for a part of the scope			
№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	4
I.	Copper concentrates, copper ores, copper steriles	I.1. Gold - Au g/t	ВЛМ № 1:2005 ВЛМ № 2:2005
		I.2. Copper - Cu %	ВЛМ № 3:2005 ВЛМ № 19:2011
		I.3. Molybdenum - Mo %	ВЛМ № 4:2005
		I.4. Iron - Fe %	ВЛМ № 5:2005
		I.5. Silver -Ag g/t	ВЛМ № 6:2005
II.	Water-Underground	II.1. Active reaction (pH)	БДС 17.1.4.27
		II.2. Conductiveness	БДС EN 27888
		II.3. Nitrates/ Nitrate Nitrogen (N-NO3-)	ВЛМ № 10:2005
		II.4. Nitrites/Nitrite Nitrogen (N-NO2-)	ВЛМ № 9:2005
		II.5. Ammonium ions/ Ammonium Nitrogen (N-NH4+)	ВЛМ № 11:2005
		II.6. Chlorides/ Chloride ions	ВЛМ № 8:2005
		II.7. Sulphates/ Sulphate ions	ВЛМ № 7:2005
		II.8. Arsenic	БДС 17.1.4.22
		II.9. Aluminium; potassium; cadmium; chromium; copper; iron; manganese; nickel; tin; selenium; zinc;	БДС EN ISO 11885
		II.10. Cyanides (all)	ВЛМ № 21:2011
		II.11. Fluorides	ВЛМ № 22:2011
		II.12. Dissolved Oxygen	БДС EN 25813
III.	Water - surface	III.1. Active reaction (pH)	БДС 17.1.4.27
		III.2. Dissolved substances	БДС 17.1.4.04 cl.3
		III.3. Undissolved substances	БДС 17.1.4.04 cl.2

Type of the scope: <i>flexible for a part of the scope</i>			
№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	4
		III.4. Electrical conductivity	БДС EN 27888
		III.5. Nitrates/ Nitrate Nitrogen (N-NO ₃ -)	ВЛМ № 10:2005
		III.6. Nitrites/Nitrite Nitrogen (N-NO ₂ -)	ВЛМ № 9:2005
		III.7. Ammonium ions/ Ammonium Nitrogen (N-NH ₄ ⁺)	ВЛМ № 11:2005
		III.8. Chlorides/ Chloride ions	ВЛМ № 8:2005
		III.9. Sulphates/ Sulphate ions	ВЛМ № 7:2005
		III.10. Arsenic	БДС 17.1.4.22
		III.11. Aluminium; cadmium; copper; iron; manganese; nickel; tin; zinc	БДС EN ISO 11885
		III.12. Biochemical oxygen demand after 5 days (BOD ₅)	ВЛМ № 12:2005
		III.13. Chemical oxygen demand (COD)	ВЛМ № 13:005
		III.14. Cyanides (free); Free cyanide	ВЛМ № 21:2011
		III.15. Dissolved oxygen	БДС EN 25813
		III. 16. General hardness. Calcium carbonate hardness	БДС ISO 6059
		III.17. Chrome (hexavalent)	ВЛМ 14:2015
		III.18. Phosphates such as phosphorus	ВЛМ № 20:2018
IV.	Water - waste.	IV.1. Active reaction (pH)	БДС 17.1.4.27
		IV.2. Undissolved substances	БДС 17.1.4.04 cl.2
		IV.3. Arsenic	БДС 17.1.4.22
		IV.4. Cadmium; copper; iron; manganese; nickel; tin; zinc	БДС EN ISO 11885
		IV.5. Cyanides (free);	ВЛМ № 21:2011
		IV.6. Cyanides (all)	ВЛМ № 21:2011
		IV.7. Chemical oxygen demand (COD)	ВЛМ № 13:2005
		IV.8. Chrome (hexavalent)	ВЛМ 14:2015

To perform sampling of:

Type of the scope: <i>flexible</i>		
№	Products	Sampling method (standardized/validated)
1	2	3
1.	Ground water	БДС ISO 5667-11
2.	Surface water	БДС ISO 5667-6
3.	Waste water	БДС ISO 5667-10

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 the laboratory.

Fixed scope references:

1. ВЛМ № 1/2005 Determination of gold content in copper and molybdenum concentrates by extraction.
2. ВЛМ № 2/2005 Determination of gold content in copper ores and sterols by extraction.
3. ВЛМ № 3/2005 Determination of copper content in copper ores and sterols by atomic absorption.
4. ВЛМ № 4/2005 Determination of molybdenum content in copper concentrates, ores and sterols.
5. ВЛМ № 5/2005 Determination of iron content in copper concentrates, ores and sterols.
6. ВЛМ № 6/2005 Determination of silver content in copper concentrates, ores, sterols and molybdenum concentrates.
7. ВЛМ № 7/2005 Water quality. Determination of sulphate ion content. Photometric method with "Spectroquant" test.
8. ВЛМ № 8/2005 Water quality. Determination of chloride ion content. Photometric method

with "Spectroquant" test.

9. ВЛМ № 9/2005 Water quality. Determination of nitrite/nitrite nitrogen content. Photometric method with "Spectroquant" test.

10. ВЛМ № 10/2005 Water quality. Photometric method with "Spectroquant" test.

11. ВЛМ №. 11/2005 Water quality. Determination of ammonium ion/ammonium nitrogen content. Photometric method with "Spectroquant" test.

12. ВЛМ № 12/2005 Water quality. Determination of BOD/5/. Photometric method with "Spectroquant" test

13. ВЛМ № 13/2005 Water quality. Determination of COD. Photometric method with "Spectroquant" test.

14. ВЛМ № 14/2015 Water quality. Determination of hexavalent chromium content. Photometric method with "Spectroquant" test

15. ВЛМ № 19/2011 Determination of copper content in copper and molybdenum concentrates. Iodide method.

16. ВЛМ № 20/2011 Water quality. Determination of phosphate content. Photometric method with Spectroquant test.

17. ВЛМ № 21/2011 Water quality. Determination of cyanide (free) cyanide content (total).

18. ВЛМ № 22/2011 Water quality. Determination of fluoride content. Photometric method with "Spectroquant" test.

I ORDER

To issue the certificate of accreditation reg. № 1 ЛИ/26.04.2024, valid until 26.04.2028 to the Testing Laboratory at Ellatzite Med AD and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the executive director of Ellatzite Med AD, the head of the Testing Laboratory at Ellatzite Med AD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the the Testing Laboratory at Ellatzite Med AD is obliged to return to EA BAS the originals of accreditation certificate № 1 ЛИ/23.11.2021, valid until 27.04.2024 and its enclosure – EA BAS order reg. № A 712/23.11.2021.

This order shall be notified to the Ellatzite Med AD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

