REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 220

Sofia, 30.06.2025

Pursuant to Art. 10, para. 1, item 4, Art. 28, para 1 of the Law on National Accreditation of Conformity Assessment Bodies, and item 6 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 339/82 ЛИ/ПА/13.11.2024, assessment report reg. № 339/82 ЛИ/ПА/4/В/24.03.2025 and statement of the Accreditation Commission reg. № 339/82 ЛИ/ПА/5/В/02.06.2025, I hereby

RE-ACCREDIT

ELECTRICITY SYSTEM OPERATOR EAD
CENTRAL LABORATORY FOR ENERGY OILS (CLEO)

Management address:

1618 Sofia, 201, Tsar Boris III Blvd.

Laboratory addresses:

1. 1618 Sofia, 65A, Ovcha Kupel Blvd. (CLEO - Sofia)
2. 4004 Plovdiv, 17B, Kuklensko Shose Blvd. (CLEO - Plovdiv)
3. 9020 Varna, Treti Mart Blvd, Substation Varna - North (CLEO - Varna)

To perform testing and sampling, as follows:

1. 1618 Sofia, 65A, Ovcha Kupel Blvd. (CLEO - Sofia);

To perform testing of:

Type of the scope: *Flexible*			
№	**Tested products**	**Type of test/characteristic**	**Testing methods (standard/validated method)**
1	2	3	4
1.	Mineral Insulating Oils	1.1 Water content, μg/g	БДС EN 60814, cl. 1 and cl. 2
		1.2 Acid Number, mg KOH/g	БДС EN 62021-1
		1.3 Breakdown voltage, kV	БДС EN IEC 60156
		1.4 Dielectric Dissipation Factor at 90 °C (tanδ), at 50 Hz	БДС EN 60247

52 A "Dr. G. M. Dimitrov" Blvd. 1797 Sofia Bulgaria
phone: +359 2 9766 401; fax: +359 2 873 53 02
e-mail: office@nab-bas.bg; web: www.nab-bas.bg

To perform sampling of:

Type of the scope: *Flexible*		
№	**Product**	**Sampling methods (standard/validated method)**
1	2	3
1.	Mineral Insulating Oils	БДС EN IEC 60475, cl. 4.2.1, cl. 4.2.5, cl. 4.3, cl. 4.4

2. 4004 Plovdiv, 17B, Kuklensko Shose (CLEO - Plovdiv)

To perform testing of:

Type of the scope: *Flexible*			
№	**Tested products**	**Type of test/characteristic**	**Testing methods (standard/validated method)**
1	2	3	4
1.	Mineral Insulating Oils	1.1 Water content, µg/g	БДС EN 60814, cl. 1 and cl. 2
		1.2 Acid Number, mg KOH/g	БДС EN 62021 –1
		1.3 Breakdown voltage, кV	БДС EN IEC 60156
		1.4 Dielectric Dissipation Factor at 90 °C (tanδ), at 50 Hz	БДС EN 60247

To perform sampling of:

Type of the scope: *Flexible*		
№	**Product**	**Sampling methods (standard/validated method)**
1	2	3
1.	Mineral Insulating Oils	БДС EN IEC 60475, cl. 4.2.1, cl. 4.2.5, cl. 4.3, cl. 4.4

3. 9020 Varna, Treti Mart Blvd., Substation Varna - North (CLEO - Varna)

To perform testing of:

Type of the scope: *Flexible*			
№	**Tested products**	**Type of test/characteristic**	**Testing methods (standard/validated method)**
1	2	3	4
1.	Mineral Insulating Oils	1.1 Water content, µg/g	БДС EN 60814, cl.1 and cl.2
		1.2 Acid Number, mg KOH/g	БДС EN 62021 –1
		1.3 Breakdown voltage, кV	БДС EN IEC 60156
		1.4 Dielectric Dissipation Factor at 90 °C (tanδ), at 50 Hz	БДС EN 60247

To perform sampling of:

Type of the scope: *Flexible*		
№	**Product**	**Sampling methods (standard/validated method)**
1	2	3
1.	Mineral Insulating Oils	БДС EN IEC 60475, cl. 4.2.1, cl. 4.2.5, cl. 4.3, cl. 4.4

**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.*

I ORDER

To issue the certificate of accreditation reg. № 82 ЛИ/30.06.2025, valid until 30.06.2029, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager/ representative of Electricity System Operator EAD, the head of Central Laboratory for Energy Oils, at Electricity System Operator EAD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, Central Laboratory for Energy Oils, at Electricity System Operator EAD is obliged to return to EA BAS the originals of accreditation certificate № 82 ЛИ/30.06.2021, valid until 30.06.2025 and its enclosure - EA BAS order reg. № А 394/30.06.2021.

This order shall be notified to Central Laboratory for Energy Oils, at Electricity System Operator EAD within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director
of Executive agency Bulgarian accreditation service