



**ORDER**

**№ A 131**

**Sofia, 29.03.2023**

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. №. 249/260 ЛИ/ПА/11.08.2022, assessment report reg. № 249/260 ЛИ/ПА/18.11.2022, annex reg. № 249/260 ЛИ/ПА/05.01.2023 and Statement of the Accreditation Commission reg. № 249/260 ЛИ/3/В/16.03.2023, I hereby

**RE-ACCREDIT**

**Energy Lab testing laboratory  
at Energy Max Ltd**

**Management address:** 6008 Stara Zagora, 4 Han Asparuh Str.  
**Laboratory address:** 6000 Stara Zagora, 16, Kaloyanovsko shosse Str,  
TC Novotehprom, Block 3, Floor 6, Offices 601, 602 and 612

**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
1	Concrete mixes	Oxygen (O <sub>2</sub> )	IVM 001/2009 БДС EN 14789
		Carbon monoxide (CO)	IVM 001/2009 БДС EN 15058
		Carbon dioxide (CO <sub>2</sub> )	IVM 002/2014
		Nitrogen oxides (NO <sub>x</sub> ) Nitric oxide (NO)	IVM 001/2009 БДС EN 14792
		Nitrogen dioxide (NO <sub>2</sub> )	
		Sulphur dioxide (SO <sub>2</sub> )	IVM 001/2009 IVM 002/2014
		Velocity	ISO 10780
		Volume flow rate	БДС EN ISO 16911-1
		Water vapor (moisture)	БДС EN 14790
		Dust	БДС EN 13284-1 БДС ISO 9096
		Quality Assurance Level 2 (QAL 2) and Annual Surveillance tests (AST)	БДС EN 14181 for parameters: Oxygen (O <sub>2</sub> ) Carbon monoxide (CO) Nitrogen oxides (NO <sub>x</sub> ) Sulphur dioxide (SO <sub>2</sub> ) Velocity, Volume flow rate Water vapor (moisture) Dust
		Total mercury (Hg) Elemental mercury (Hg <sup>0</sup> ) Oxidized mercury (Hg <sup>+2</sup> )	EPA 30B

Type of the scope: <i>flexible for a part of the scope</i>			
Nº	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
2	Coal: anthracite, black, brown, lignite, briquettes, coke	Mercury (Hg)	EPA 7473
3	Limestone	Mercury (Hg)	EPA 7473
4	Waste, sludge, sediment	Mercury (Hg)	EPA 7473
5	Waters: drinking, mineral, surface, ground, sewage	Mercury (Hg)	EPA 7473

**To perform sampling of:**

Type of the scope: <i>flexible</i>		
Nº	Product	Sampling method (standard/validated)
1	2	3
1.	Gas streams in ducts at stationary source emissions	БДС EN 14790 БДС EN 13284-1 БДС ISO 9096 EPA 30B

**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.

**Fixed scope references:**

IVM 001/2009 - Internally validated methodology. Analysis of flue gases in the industry - emissions testing and process gases (electrochemical method).  
IVM 002/2014 - Internally validated methodology. Analysis of flue gases in the industry - emissions testing and process gases (non-dispersive infrared spectrometry).

**I ORDER**

To issue the certificate of accreditation reg. № 260 ЛИ/29.03.2023, valid until 29.03.2027 to Energy Lab testing laboratory at Energy Max Ltd, Stara Zagora, 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 Energy Max Ltd, Stara Zagora, the head of the Energy Lab testing laboratory at Energy Max 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 № 260 ЛИ/23.11.2021, valid until 29.03.2023 and its enclosure – EA BAS order reg. № A 724/23.11.2021.

This order shall be notified to the Energy Max Ltd, Stara Zagora, within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

Executive Director of EA BAS

