REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 173

Sofia, 19.05.2025

Pursuant to Art. 10, para. 1, item 4, 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. № 146/98 ЛИ/ПА/13.11.2024, report reg. № 146/98 ЛИ/ПА/5/В/07.03.2025 and statement of the Accrfeditation Commission reg. № 146/98 ЛИ/ПА/6/В/16.05.2025, I hereby

RE-ACCREDIT

INSA OIL LTD.
COMPLEX TESTING LABORATORY

Management address: 4150, Rakovski, Plovdiv Region, 1 Predel Str.
Laboratory address: 4130, Belozem, Plovdiv Region, Rakovski Municipality, Industrial Zone

To perform testing of:

Type of the scope: *flexible for part of the scope**			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
1.	Diesel Engine Fuels	1.1. Cetane index	БДС EN ISO 4264
		1.2. Density	БДС EN ISO 3675 БДС EN ISO 12185
		1.3. Sulfur	БДС EN ISO 20846
		1.4. Flash point in closed cup	БДС EN ISO 2719, Procedure A БДС EN ISO 2719/A1,
		1.5. Ash	БДС EN ISO 6245
		1.6. Coke residue / of 10 % distillation residue	БДС ISO 6615
		1.7. Distillation characteristics	БДС EN ISO 3405
		1.8. Cold filter plugging point /CFPP/ .	БДС EN 116, БДС EN 116/ Amendment 1
		1.9. Total contamination	БДС EN 12662-1
		1.10. Copper strip corrosion	БДС EN ISO 2160
		1.11. Kinematic viscosity at 40 °C	БДС EN ISO 3104, Procedure A
		1.12. Water content	БДС EN ISO 12937
		1.13. Fatty acid methyl esters (FAME) content	БДС EN 14078, Range B
2.	Automotive petrols	2.1. Density	БДС EN ISO 3675 БДС EN ISO 12185
		2.2. Sulfur	БДС EN ISO 20846

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Type of the scope: *flexible for part of the scope**			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		2.3. Copper strip corrosion	БДС EN ISO 2160
		2.4. Distillation characteristics	БДС EN ISO 3405
		2.5. Appearance	БДС EN 228+A1
		2.6. Vapour pressure	БДС EN 13016-1
		2.7. Volatility index	БДС EN 228+A1
		2.8. Benzene content	БДС EN 12177
		2.9. Oxygen content	БДС EN 13132
		2.10. Oxygenates content	БДС EN 13132
		2.11. Bio-component content	ВЛМИ 01:2021
3.	Gasoil for industrial and domestic use	3.1. Density	БДС EN ISO 3675 БДС EN ISO 12185
		3.2. Distillation characteristics	БДС EN ISO 3405
		3.3. Kinematic viscosity at 40 °C	БДС EN ISO 3104, Procedure A
		3.4. Freezing point	БДС 1751
		3.5. Flash point in closed cup	БДС EN ISO 2719, Procedure A БДС EN ISO 2719/A1
		3.6. Sulfur (up to 1 %)	БДС EN ISO 8754
		3.7. Water (from 0.1ml/0.1%)	БДС ISO 3733
		3.8. Mechanical impurities	БДС 17411 БДС EN 12662-1
		3.9. Ash	БДС EN ISO 6245
		3.10. Coke residue	БДС ISO 6615
		3.11. Specific heat of combustion	БДС 17413
4.	Marine fuels	4.1. Density	БДС EN ISO 3675 БДС EN ISO 12185
		4.2. Distillation characteristics	БДС EN ISO 3405
		4.3. Kinematic viscosity at 40 °C	БДС EN ISO 3104, Procedure A
		4.4. Freezing point	БДС 1751
		4.5. Flash point in closed cup	БДС EN ISO 2719, Procedure A БДС EN ISO 2719/A1
		4.6. Sulfur (up to 1 %)	БДС EN ISO 8754
		4.7. Water (from 0.1 ml/1 %)	БДС ISO 3733
		4.8. Mechanical impurities	БДС 17411
		4.9. Ash	БДС EN ISO 6245
		4.10. Coke residue / of 10 % distillation residue /	БДС ISO 6615
5.	Boiler Fuels	5.1. Density	БДС EN ISO 3675
		5.2. Freezing point	БДС 1751
		5.3. Flash point in opened cup	БДС EN ISO 2592
		5.4. Sulfur (up to 1 %)	БДС EN ISO 8754
		5.5. Water soluble acids and alkalis	БДС 5252
		5.6. Specific heat of combustion	БДС 17413
		5.7. Ash	БДС EN ISO 6245
6.	Heavy Fuel Oils	6.1. Density	БДС EN ISO 3675 БДС EN ISO 12185
		6.2. Distillation characteristics	БДС EN ISO 3405
		6.3. Kinematic viscosity at 50 °C	БДС EN ISO 3104, Procedure A

Type of the scope: *flexible for part of the scope**			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		6.4. Freezing point	БДС 1751
		6.5. Flash point in closed cup	БДС EN ISO 2719, Procedure A БДС EN ISO 2719/A1
		6.6. Sulfur (up to 1 %)	БДС EN ISO 8754
		6.7. Water (from 0.1 ml/1 %)	БДС ISO 3733
		6.8. Specific heat of combustion	БДС 17413
		6.9. Ash	БДС EN ISO 6245
7.	Waste Oils	7.1. Density	БДС EN ISO 3675 БДС EN ISO 12185
		7.2. Kinematic viscosity at 40 °C	БДС EN ISO 3104, Procedure A
		7.3. Water (from 0.1 ml/1 %)	БДС ISO 3733
		7.4. Mechanical impurities	БДС 17411
		7.5. Flash point in opened cup	БДС EN ISO 2592
8.	Biodiesel - fatty acid methyl esters	8.1. Density	БДС EN ISO 3675 БДС EN ISO 12185
		8.2. Sulfur	БДС EN ISO 20846
		8.3. Flash point in closed cup	БДС EN ISO 2719, Procedure C БДС EN ISO 2719/A1
		8.4. Cold filter plugging point /CFPP/	БДС EN 116, БДС EN 116/ Amendment 1
		8.5. Total contamination	БДС EN 12662-2
		8.6. Copper strip corrosion	БДС EN ISO 2160
		8.7. Kinematic viscosity at 40 °C	БДС EN ISO 3104, Procedure A
		8.8. Water content	БДС EN ISO 12937

To perform sampling of:

Type of the scope: *flexible**		
№	**Product**	**Sampling methods (standardized / validated)**
1	**2**	**3**
1.	Diesel Engine Fuels	БДС EN ISO 3170
2.	Automotive petrols	БДС EN ISO 3170
3.	Gasoil for industrial and domestic use	БДС EN ISO 3170
4.	Marine fuels	БДС EN ISO 3170
5.	Boiler fuels	БДС EN ISO 3170
6.	Heavy fuel oils	БДС EN ISO 3170
7.	Waste oils	БДС EN ISO 3170
8.	Biodiesel - fatty acid methyl esters	БДС EN ISO 3170

****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.*

Fixed scope references:
ВЛМИ 01:2021 Liquid petroleum products. Automotive petrols, unleaded. Determination of the Bio-component content.

I ORDER

To issue the certificate of accreditation reg. № 98 ЛИ/19.05.2025, valid until 19.05.2029, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager/ representative of the INSA OIL Ltd, the head of Complex testing laboratory at INSA OIL 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 № 98 ЛИ/14.06.2023, valid until 16.06.2025 and its enclosure – EA BAS order reg. № А 240/14.06.2023.

This order shall be notified to the INSA OIL Ltd, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director
of Executive agency Bulgarian accreditation service