



ORDER

№ A 245

Sofia, 17.06.2024

Pursuant to Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 4.3.7. of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 279/108 ЛИ/ПА/10.05.2023, report reg. № 279/108 ЛИ/ПА/3/В/26.04.2024, declaration reg. № 279/108 ЛИ/1/Р/03.04.2024 and statement of the Accreditation Commission reg. № 279/108 ЛИ/ПА/8/В/12.06.2024, I hereby

RE-ACCREDIT

**FRAPORT TWIN STAR AIRPORT MANAGEMENT AD
CHEMICAL TESTING LABORATORY**

Management and laboratory address:

9000 Varna, Airport Varna

To perform testing of:

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
1.	Jet fuel	1.1. Acidity (total)	ASTM D 3242
		1.2. Presence of active sulfur compounds (Doctoral test)	ASTM D 4952
		1.3. Distillation characteristics (fractional composition): -Start of boiling, -10% vol., distill, temperature, -50% vol., distill, temperature, -90% vol., distill, temperature, -End of boiling, temperature, -Residue, -Loss	ASTM D 86
		1.4. Flame temperature	ASTM D 56
		1.5. Density at 15°C	ASTM D 1298 ASTM D 7777
		1.6. Temperature at the beginning of the cristalization	ASTM D 2386
		1.7. Net heat of burning	ASTM D 4529
		1.8. Testing of corrosion of a copper plate, 2h at100°C	ASTM D 130
		1.9. Actual resins	ASTM D 381
		1.10. Interaction with water - state of the interfacial surface	ASTM D 1094
		1.11. Modified index of a water separometer	ASTM D 3948

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
		- fuel with antistatic additive - fuel without antistatic additive	
		1.12. Presence of free water and mechanical pollutants	ПККАГРПТСЗВПСГСМ, MT, 2005, Art. 92, Art. 95
		1.13. Presence of mechanical pollutants through membrane test	ASTM D 2276
		1.14. Biomass in jet fuel	LM-02/2021
2.	Aviation fuel	2.1. Presence of free water and mechanical pollutants	ПККАГРПТСЗВПСГСМ, MT, 2005, Art. 92, Art. 95
		2.2. Net heat of burning	ASTM D 4529
		2.3. Density at 15°C	ASTM D 1298 ASTM D 7777
		2.4. Distillation characteristics: - Start of boiling, temperature - 10% vol. distill, temperature - 40% vol. distill, temperature - 50% vol. distill, temperature - 90% vol. distill, temperature - End of boiling, temperature - amount of 10 vol. % plus 50 vol. % distill, temperature - Residue - Loss	ASTM D 86
		2.5. Temperature at the beginning of the crystallization	ASTM D 2386
		2.6. Determination of corrosion of a copper plate, 2h at 100°C	ASTM D 130
		2.7. Interaction with water - change in volume	ASTM D 1094
3.	Aircraft anti-icing fluid	3.1. Refractive index at 20°C	ASTM D 1747
		3.2. pH	ASTM E 70
		3.3. Freezing temperature - for concentrate - for mixture with water 50%/ 50%	ASTM D 1747
		3.4 Dynamic viscosity at 20°C - for concentrate - for mixture with water 50%/ 50%	ASTM D 2196
		3.5. Concentration*	ASTM D 1747

*Computational method

To perform sampling of:

Type of the scope: <i>flexible</i>		
№	Products	Sampling methods (standard/validated method)
1	2	3
1.	Jet fuel	Aviation fuel quality control rules and operating procedures for transportation, storing and refueling aircrafts with fuel and lubricating materials, Ministry of Transport, 2005, Application № 3 to Art. 73, para. 2, БДС ISO 3170,
2.	Aviation fuel	
2.	Aircraft anti-icing fluid	

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.*

References:

ПКАГРПТСЗВПСГСМ, МТ, 2005: Aviation fuel quality control rules and operating procedures for transportation, storing and refueling aircrafts with fuel and lubricating materials, Ministry of Transport, 2005.

Fixed scope: ЛМ-02/2021 Laboratory method for Determination of microbiological contamination of jet engine fuel, from 20.07.2021.

I ORDER

To issue the certificate of accreditation reg. № 108 ЛМ/17.06.2024, valid until 17.06.2028, 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 FRAPORT Twin Star Airport Management AD, the head of Chemical testing laboratory, at FRAPORT Twin Star Airport Management AD, 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 № 108 ЛМ/10.06.2022, valid until 16.12.2023, its enclosure EA BAS order reg. № A 369/10.06.2022 and EA BAS order reg. № A 511/15.12.2023 for extending validity period.

This order shall be notified to FRAPORT Twin Star Airport Management AD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

