

[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] Equipment or protective system intended for use in potentially explosive atmospheres – Directive 2014/34/EU

[3] EU-type examination certificate Number: **CETS 24 ATEX 75 X** Issue:0

[4] Product: **Gas analyzer DAT-MGA**

[5] Manufacturer: **Federal State Unitary Enterprise "Smolensk Production Association "Analitpribor" (FSUE "SPA "Analitpribor")**

[6] Address: **Russian Federation, 214031, Smolensk, Babushkin st., 3**

[7] This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] The Certification body SIA «CE-Test», notified body number 2861 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential Evaluation report number 075/2024 from 15.08.2024.

[9] Compliance with Essential Health and Safety Requirements has been assured by compliance with: EN IEC 60079-0:2018, EN 60079-1:2014.

[10] If the sign «X» is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

Ⓔ II 2 G Ex db IIC T6 Gb X

$-40\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$



Date of certification: 16.08.2024

Responsible person: Ing. Pavlo Khorunzhyy
Head of certification body

[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE: **CETS 24 ATEX 075 X** Issue: 0

[15] Description of Product

Gas analyzers DAT-MGA designed for continuous automatic measurements of pre-explosive concentrations of diesel fuel vapors in terms of hexane and the volume fraction of hydrogen in the air of the working area.

Gas analyzers DAT-MGA application – monitoring of the air of working area at nuclear energy facilities.

Gas analyzers DAT-MGA type – fixed, single-unit, continuous operation, single channel.

Principle of operation – thermocatalytic.

Sampling - diffusion. It is permitted forced sampling to gas analyzers using external means.

Operating position – vertical, sensor down.

The gas analyzer body is made of stainless steel and is an explosion-proof shell. The top cover closes access to the upper compartment, which contains: a switching board with a terminal block installed on it.

Table 1 – Technical characteristics of Gas analyzer DAT-MGA.

Name of indicator, unit of measurement	Value
Degree of protection provided by the enclosure:	IP66
DC supply voltage, V:	24
Power consumption W, no more:	10
Ambient temperature range during operation, °C:	from -40 ° to +60 °

For a more detailed description of the design, please refer to the relevant operational manual.

[16] Test Report

The examination and test results are recorded in confidential Evaluation Report number 075/2024 from 15.08.2024

[17] Specific conditions of use

- when transporting gas analyzers, the openings for cable entries must be closed with transport plugs; operation with transport plugs is not permitted;
- gas analyzers must be used with certified cable entries and plugs that provide the explosion protection type "explosion-proof enclosure" for electrical equipment of the IIC subgroup and the enclosure protection rating IP66 (unused openings for cable entries must be closed with certified plugs); the cable entries used must have an operating temperature range that corresponds to the conditions of use of gas analyzers in an explosive zone.



[18] Essential health and safety requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information: None.

[19] Drawings and Documents

The documents are listed in the Evaluation report number 075/2024 from 15.08.2024

Title Technical Documents	Decimal number	Date
Standard specifications Book 1 Requirements	ИБЯЛ.413216.056 ТУ	12/26/2023
Standard specifications Book 2 Control methods and Appendices	ИБЯЛ.413216.056 ТУ	12/26/2023
Operation manual	ИБЯЛ.413216.056 РЭ	
Form	ИБЯЛ.413216.056 ФО	
Drawings	ИБЯЛ.413216.056 СБ	

[1] **PRODUCTION QUALITY ASSURANCE NOTIFICATION**

[2] Equipment or protective system intended for use in potentially explosive atmospheres –
Directive 2014/34/EU

[3] Notification Number: **CETS 24 ATEX Q 076** **Issue: 0**

[4] Product: **Gas analyzer DAT-MGA**

EU-type examination certificate: CETS 24 ATEX 075 X

[5] Manufacturer: **Federal State Unitary Enterprise "Smolensk Production Association "Analitpribor" (FSUE "SPA "Analitpribor") Russian Federation, 214031, Smolensk, Babushkin st., 3**

[6] Ltd «CE-Test», notified body number 2861 for Annex VII in accordance with Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, notifies that the manufacturer's quality system complies with the requirements of Annex VII of Directive 2014/34/EU and EN ISO/IEC 80079-34.

[7] This notification is based upon Evaluation report number 076 dated 23th August 2024. This notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annex VII. Results of periodical assessment of the quality system form part of this notification.

[8] This notification is valid until 25th August 2027. The validity is conditioned with performing by Ltd «CE-Test» for minimum 1 periodic audit per 12 month.

[9] According to Article 16 [3] of Directive 2014/34/EU the CE marking shall be followed by the identification number 2861 of CE-Test as the notified body involved in the production control stage

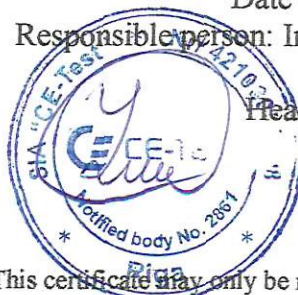
Date of Initial certification: 26.08.2024

Date of Issue: 26.08.2024

Date of Expiry: 25.08.2027

Responsible person: Ing. Pavlo Khorunzhyy

Head of certification body



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