



Test Report according to Regulation (EU) 2016/425 *

Report on product check according to Module C2

No. 1024/ZK-059/2021

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I. Source data

Name: **Respirator SpurTex® FFP2 NR V100**
Type: **V100**
PPE category: Ill. according to Regulation (EU) 2016/425 Annex I
Manufacturer: SPUR a.s., Třída Tomáše Bati 299, Zlín, 76302, Czech Republic
Application: S-290/2021 dated: 12. 11. 2021
Contract: 136/2021 dated: 9. 12. 2021
Certificate: 1024/E-071/2020 dated: 23. 9. 2020

Assessed by: Ing. L. Zavřel



Zmüll

signature

Certificate remains valid

About continued validity of certificate decided: Ing. J. Tilhon, Ph.D., LL.M.

J. Tilhon

signature

Date of report issue: 24. 09. 2021

The product check was performed according to Regulation (EU) 2016/425, Module C2 Conformity to type based on internal production control plus supervised product checks at random intervals.

*This Report has been issued in Czech and English versions. Both versions have the same validity.

II. Basic information

1. Product description

Respirator **SpurTex® FFP2 NR V100** provides the protection of the respiratory system of a user against solid and liquid aerosols in the air in accordance with the information supplied by the manufacturer.

2. Sample withdrawal

Samples of the respirator SpurTex® FFP2 NR V100 were taken in number of 15 pcs on 8. 12. 2021. The samples were registered in the Laboratory Register under numbers 4176 – 4190.

III. List of submitted technical documentation

According to the manufacturer's declaration, there has been no change in the product or in the technical documentation.

The complete technical documentation has been already delivered during the product certification in 2020. The documentation is complete according to Regulation (EU) 2016/425 ANNEX III and it has been adequate for the assessment of the conformity with the technical requirements mentioned in this Regulation.

IV. Level determination of protective properties and safety function of the product

The Certificate no. 1024/E-071/2020 (NB 1024) has been issued on the product. The measurement results are described in the Final report no. 1024/ZZ-063/2020.

The check of the PPE conformity with the certified type was performed according to EN 149:2001+A1:2009 Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking (idt. ČSN EN 149:2002+A1:2009, ČSN EN 149+A1 OPRAVA 1:2018) on the basis of the Application no. S-290/2021 and the Contract no. 136/2021.

The selected tests on the samples were carried out according to ČSN EN 149:2002+A1:2009) art.:

- 8.2 visual inspection
- 8.9.1 inhalation resistance
- 8.9.2 exhalation resistance
- 8.11 penetration of filter material - paraffin oil

The numbering of articles in the paragraph "Test results" is consistent with the above-mentioned standard numbering.

V. Tests results

7.3 Visual inspection

Requirement: The visual inspection must also include an inspection of the markings and instruction for use provided by the manufacturer.

Discovered: Particle filtering half masks have no sharp parts or burrs. The markings meet requirements of the standard.

Evaluation: Samples have satisfied the requirement

7.9.2 Penetration of filter material

Requirement: The penetration of paraffin oil aerosol shall not exceed for class FFP2 the value of 6 %.
Discovered:

Initial penetration of paraffin oil aerosol

sample	condition	penetration %
4179	AR	2,4
4180	AR	3,2
4181	AR	2,5

Notice: AR – As received

Requirement: The penetration of NaCl aerosol shall not exceed for class FFP2 the value of 6 %.
Discovered:

Initial penetration of NaCl aerosol

sample	condition	penetration %
4182	AR	0,92
4183	AR	1,56
4184	AR	1,42

Evaluation: Samples have satisfied the requirement

7.16 Breathing resistance

Requirement: The inhalation resistance for class FFP2 shall not exceed 70 Pa at flow of 30 l/min and 240 Pa at flow of 95 l/min.

Inhalation resistance

Discovered:

sample	condition	resistance Pa	
		at 30 l/min	at 95 l/min
4176	AR	50	162
4177	AR	56	180
4178	AR	52	167

Requirement: The exhalation resistance for class FFP2 shall not exceed 300 Pa at flow of 160 l/min.

Discovered:

sample	condition	position				
		ahead	down	up	left	right
		Pa	Pa	Pa	Pa	Pa
4176	AR	252	248	251	250	249
4177	AR	275	268	272	270	271
4178	AR	273	268	270	268	269

Evaluation: Samples have satisfied the requirement

Non-homogeneity checking of production

The non-homogeneity checking of the production was also carried out within the check. The client has chosen the procedure - once per year, take sufficient samples.

The non-homogeneity was not found within the check.

VI. Conformity assessment to the essential requirements

The relevant requirements referred to Regulation (EU) 2016/425 ANNEX II, applicable to the final product, were assessed. The harmonized standard EN 149:2001+A1:2009 has been used during the assessment.

The check has confirmed that the tested personal protective equipment

conforms to the type described in the Certificate no. 1024/E-071/2020

and continues to satisfy the relevant essential requirements of Regulation (EU) 2016/425, on personal protective equipment.



VII. List of documents necessary for the Report elaboration

1. Regulation (EU) 2016/425 of the European Parliament and of the Council on personal protective equipment and repealing Council Directive 89/686/EEC
2. Application for check no. S-290/2021 dated 12. 11. 2021
3. Contract about check no. 136/2021 dated 9. 12. 2021
4. Test report no. 395/2021 dated 14. 12. 2021
5. Final report no. 1024/ZZ-063/2020 dated 23. 9. 2020
6. EU type examination certificate no. 1024/E-071/2020 dated 23. 9. 2020
7. EN 149:2001+A1:2009 Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking (idt. ČSN EN 149:2002+A1:2009, ČSN EN 149+A1 OPRAVA 1:2018)