



# Occupational Safety Research Institute

Notified Body 1024

Jeruzalémská 1283/9, CZ - 110 00 Praha 1

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

Report on product check according to Module C2

### No. 1024/ZK-049/2021

Pages: 4  
Annexes: 0  
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### I. Source data

Name: **Respirator DAMA FFP2**  
Type: **DAMA FFP2**  
PPE category: Ill. according to Regulation (EU) 2016/425 Annex I

Manufacturer: DAMA TRADE s.r.o., Dubová 15, 637 00 Brno, Czech republic

Application: S-255/2021 dated: 09. 09. 2021

Contract: 111/2021 dated: 22. 09. 2021

Certificate: 1024/E-040/2021 dated: 06. 05. 2021

Assessed by: Ing. L. Zavřel

signature

### Certificate remains valid

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



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

The respirator **DAMA FFP2 NR** 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 DAMA FFP2 were taken in number of 20 pcs on 09. 09. 2021. The samples were registered in the Laboratory Register under numbers 3790 - 3809.

## 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 2021. 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

On the product has been issued the Certificate no. 1024/E-040/2021 (NB 1024). The measurement results are described in the Final report no. 1024/ZZ-040/2021.

On the basis of the Application no. S-255/2021 and the Contract no. 111/2021 was performed the check of the PPE conformity with the certified type 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)

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

- 8.3.2 temperature conditioning
- 8.3.3 mechanical strenght
- 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

### 7.5 Material

Requirement: Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used. After the temperature conditioning the particle filtering half mask shall not collapse. Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.

Discovered: After test of temperature resistance particle filtering half masks show no visible changes. After the mechanical resistance test, particle filtering half masks show no mechanical flaws.

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 %
3794	MS+TC	2,2
3795	MS+TC	1,6

Notice: MS - Mechanical strength  
TC - Temperature conditioned

Penetration of paraffin oil aerosol after exposition of 120 mg oil

sample	condition	penetration %
3794	MS+TC	2,2
3795	MS+TC	1,7

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
3790	AR	36	127
3791	AR	39	139
3792	AR	38	128

Notice: AR – As received

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
3790	AR	191	184	188	186	185
3791	AR	199	190	194	191	192
3792	AR	193	186	191	190	189

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-040/2021**

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-255/2021 dated 09. 09. 2021
3. Contract about check no. 111/2021 dated 22. 09. 2021
4. Test report no. 320/2021 dated 21. 09. 2021
5. Final report no. 1024/ZZ-040/2019 dated 06. 05. 2021
6. EU type examination certificate no. 1024/E-040/2021 dated 06. 05. 2021
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)