

# Certificate

## of EU type-examination No. UE/686/2021/1437, edition 1

**Name of the product:**

*Filtering half mask*

**Type (varieties):**

*KLO1 PRO FFP2 NR*

**Name and address of the manufacturer:**

*4 Termo Sebastian Kloc  
Zygmunta II Augusta 6  
21-100 Lubartów  
Poland*

**The product meets the applicable essential health and safety requirements  
included in Regulation (EU) 2016/425 of the European Parliament and of the Council  
of 9 March 2016**

**Validity period: from 15 November 2021 to 14 November 2026**

Head of the Centre  
for Certification of Personal  
Protective and Working Equipment

*A. Stefko*  
Agnieszka Stefko M.Sc.(Eng.)

.....  
signature of the certificate issuer's representative

**Warsaw, date 15 November 2021**

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**Product description:**

The filtering half mask type KLO1 PRO FFP2 NR without an exhalation valve is a one-way half mask in which the air flows through the filtering material during the inhalation and exhalation phase. It is a complete device designed for respiratory protection against solid and liquid aerosols.

The filtering part of the half mask consists of the following layers of nonwovens:

- the outer layer - the spun-bond nonwoven with the surface mass of  $(50\pm 5)$  g/m<sup>2</sup>,
- the middle layer consisting of two nonwovens:
  - nonwoven Hot Air-Cotton with the surface mass of  $(50\pm 5)$  g/m<sup>2</sup>,
  - nonwoven melt-blown with the surface mass of  $(25\pm 5)$ g/m<sup>2</sup>,
- the inner layer - spun-bond nonwoven with the surface mass of  $(50\pm 5)$  g/m<sup>2</sup>.

The filtering half mask is equipped with:

- two ear loops made of rubber,
- the nose clip made of double wire placed inside the bowl,
- the nose seal.

**Image:**





**Basic parameters:**

class, personal protective equipment category, performance level(s) or protection class of the product

- penetration of sodium chloride aerosol - protection class FFP2 NR
- penetration of paraffin oil mist aerosol - protection class FFP2 NR
- breathing resistance - protection class FFP2
- total inward leakage - protection class FFP2
- limited to single shift use only - NR

**Identification of the submitted documentation:**

- application for EU type-examination No. 812/2021 dated 15.09.2021
- agreement on EU type-examination and review of the EU type-examination certificate No. 236/2021/1437 dated 15.09.2021
- technical documentation: the Filtering half masks type KLO1 PRO FFP2 NR dated of September 2021
- instructions for use dated 21.09.2021
- statement on the harmlessness of the materials used dated 14.10.2021

**Product/product model supplied with the EU type-examination application is compliant with the technical documentation.**

**The product meets the requirements of harmonised standard/technical specifications:**

EN 149:2001+A1:2009 "Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking"

**confirmed by tests performed by:**

CIOP-PIB, Department of Personal Protective Equipment, Lodz, Poland

**report No.:**

705/PB-COV/2021/NO part 1 and part 2 dated 14.09.2021

**Marking:**

logotype identifying the product brand: 4MEDISchutz; name and address of the manufacturer: 4Termo Sebastian Kloc; product identification type: KLO1PRO; protection class: FFP2 NR; standard: EN 149:2001+A1:2009; the batch number/date of manufacture (year.month.day)

**The certificate applies in conjunction with one of procedures of conformity assessment according to C2 module or D module pursuant to Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016**

**NOTE 1:**

Every modification to the product and its technical documentation to which this certificate pertains should be notified to the Centre for Certification of Personal Protective and Working Equipment of the Central Institute for Labour Protection – National Research Institute.

This certificate shall be valid as long as the above harmonised standard may be applied as a basis for product examination.

**NOTE 2:**

Forging the content and the markings of the certificate or modifying them (including a photocopy or scan), or using such document as authentic is a crime under Article 270 § 1 of the Criminal Code.