

Certificate

of EU type-examination No. UE/1080/2024/1437, edition 1

Name of the product:

Filtering half mask

Type (varieties):

MSA Affinity 1110 FFP1 NR D 10128847

MSA Affinity 1111 FFP1 NR D 10128848

Name and address of the manufacturer:

MSA EUROPE GmbH
Schlüsselstrasse 12
8645 Rapperswil-Jona
CH-Schweiz

**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 6 December 2024 to 5 December 2029

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

A. Stefk
Agnieszka Stefk M.Sc.(Eng.)

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signature of the certificate issuer's representative

Warsaw, date 6 December 2024

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Product description:

The filtering half mask type MSA Affinity 1110 FFP1 NR D 10128847 without the exhalation valve and type MSA Affinity 1111 FFP1 NR D 10128848 with the exhalation valve is a complete device, which is a useful respiratory protective device against solid and liquid aerosols.

The filtering half mask type MSA Affinity 1110 FFP1 NR D 10128847 is a one-way half mask in which the air flows in the inhalation and in the exhalation phase through the filtering material.

The filtering half mask type MSA Affinity 1111 FFP1 NR D 10128848 is a two-way half mask in which the air flows through the filtering material in the inhalation phase whereas in the exhalation phase through the exhalation valve and the filtering material.

The bowl of the filtering half mask consists of three main layers of nonwovens:

- the outer layer - nonwoven type GW-20/160 with the surface mass of (160 ± 15) g/m²,
- the inside layer - nonwoven type WPT-P1/FS with the total surface mass of (60 ± 10) g/m²,
- the inner layer - nonwoven type GW-20/160 with the surface mass of (160 ± 15) g/m².

The half mask bowl is fitted with:

- the strap harness made of oring rubber,
- the exhalation valve located at the central of the filtering half mask type MSA Affinity 1111 FFP1 NR D 10128848.

Image:

type MSA Affinity 1110 FFP1 NR D
10128847



type MSA Affinity 1111 FFP1 NR D
10128848

Basic parameters:

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

- penetration of sodium chloride aerosol - protection class FFP1 NR
- penetration of paraffin oil mist aerosol - protection class FFP1NR
- breathing resistance - protection class FFP1
- total inward leakage - protection class FFP1
- clogging - protection class FFP1 D
- limited to single shift use only - NR

Identification of the submitted documentation:

- application for EU type-examination SO.540.161.2024 dated 04.09.2024
- agreement on EU type-examination and review of the EU type-examination certificate No. SO.540.161.2024, drafted on 09.09.2024, concluded on 15.10.2024
- EU type-examination certificate No. UE/453/2019/1437 valid from 03.09.2020 to 05.12.2024
- agreement No. 01/08/2024 dated 01.08.2024
- technical documentation of PPE dated 25.09.2019 and Annex No. 1 dated 30.07.2024
- user's instructions No. MSA 1000 edition from 03/2024
- official confirmation of nonhazardous properties of the materials used dated 17.06.2020

**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.:

20/CR/2017/NO dated 21.02.2017

Marking:

logo of the manufacturer; product identification type; protection class: FFP1 NR D; standard: EN 149:2001; date of manufacture (day number of the year and year number) identifying the batch/serial number

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:

The EU type examination certificate is the property of CIOP-PIB and is issued in two copies - one copy for CIOP-PIB, the other for the manufacturer.

The certificate status can be verified at www.ciop.pl or by contacting: ocw@ciop.pl

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.