

Certificate

of EU type-examination No. UE/308/2020/1437, edition 1

Name of the product:

Filtering half mask

Type (varieties):

*RAVA 200 FFP2 NR D, RAVA 200V FFP2 NR D
RAVA 220 FFP2 NR D, RAVA 220V FFP2 NR D
RAVA 230SV FFP2 NR D, RAVA 240SV FFP2 NR D*

Name and address of the manufacturer:

*Iskoruma IGM SAN.TIC.LTD.STI
PERPA TIC.MERK.B BLOK KAT 8
Okmeydani, NO980 Istanbul
Turkey*

***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 16 January 2020 to 11 March 2024

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

Agnieszka Stefko
..... **Agnieszka Stefko M.Sc.(Eng.)**
signature of the certificate issuer's representative

Warsaw, date 16 January 2020

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Product description:

The filtering half-mask type RAVA 200 FFP2 NR D and RAVA 220 FFP2 NR D without the exhalation valve and The filtering half-mask type RAVA 200V FFP2 NR D, RAVA 220V FFP2 NR D, RAVA 230SV FFP2 NR D and RAVA 240SV FFP2 NR D with the exhalation valve is a complete equipment designed to protect the respiratory system against aerosols from solid and liquid particles.

The filtering half-mask without the exhalation valve is a one-way half-mask, in which the air flows in the inhalation phase and in the exhalation phase through the filtering material.

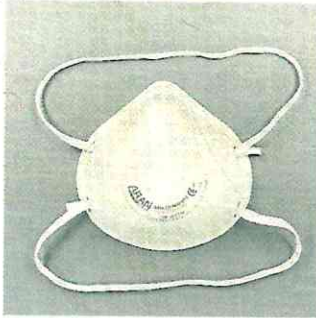
The filtering half-mask type with the exhalation valve is a two-way half-mask, in which the air flows in the inhalation phase through the filtering material but in the exhalation phase through the exhalation valve and the filtering material.

The bowl of the filtering half-mask consists of the following nonwoven system:

- outer layer:
 - polypropylene spun-bonded nonwoven in any colour with the surface mass of (20 - 40) g/m²,
- middle layer:
 - polypropylene melt-blown nonwoven with the surface mass of (30 - 50) g/m²,
- internal layer:
 - polyester needled nonwoven with the surface mass of (250 - 300) g/m².

The filtering half-mask is equipped with:

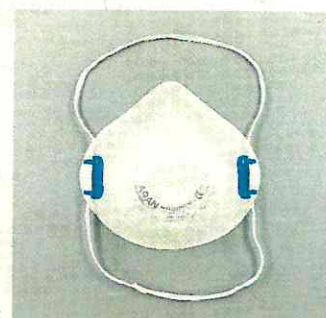
- nasal clamp made of plastic reinforced with two steel wires,
- a nasal sealant made of polyurethane foam,
- harnesses made of latex threads with polyester silk braid,
- two harnesses buckles (type: RAVA 220 FFP2 NR D, RAVA 220V FFP2 NR D, RAVA 230SV FFP2 NR D, RAVA 240SV FFP2 NR D),
- staples for fixing harnesses (type: RAVA 200 FFP2 NR D, RAVA 200V FFP2 NR D),
- the exhalation valve located centrally in the bowl of the filtering half mask (type: RAVA 200V FFP2 NR D, RAVA 220V FFP2 NR D, RAVA 230SV FFP2 NR D, RAVA 240SV FFP2 NR D),
- tail clip on the head strap (type RAVA 240SV FFP2 NR D),
- internal moisture absorbent pad (type: RAVA 230SV FFP2 NR D, RAVA 240SV FFP2 NR D).

Image:

type RAVA 200 FFP2 NR D



type RAVA 200V FFP2 NR D



type RAVA 220 FFP2 NR D



type RAVA 220V FFP2 NR D



type RAVA 230SV FFP2 NR D



type RAVA 240SV FFP2 NR D

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 a paraffin oil mist aerosol - protection class FFP2 NR*
- *breathing resistance - FFP2 protection class*
- *total inward leakage - protection class FFP2*
- *clogging - protection class FFP2 D*
- *limited to single shift use only - NR*

Identification of the submitted documentation:

- *application for EU type-examination No. 231/2019 dated 30.04.2019*
- *agreement on EU type-examination and review of the EU type-examination certificate No. 67/2019/1437 dated 30.04.2019*
- *technical documentation for the EU type examination No. DTUE/RPE/002 dated 10.12.2018*
- *contract No. OBMA/IR/01 dated 01.03.2019*
- *user's instruction dated 30.04.2019*
- *description of the product marking dated 30.04.2019*
- *declaration of Iskoruma company regarding the use of ARAN SAFETY trade mark dated 23.08.2017*

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.:

571/PB/2011/NO dated 29.11.2011, 503/PB/2016/NO dated 31.08.2016, 537/PB/2016/NO dated 14.09.2016

Marking:

logo: ARAN SAFETY, name and address of the manufacturer: ISKORUMA; product identification type: RAVA 200 or RAVA 200V or RAVA 220 or RAVA 220V or RAVA 230SV or RAVA 240SV; protection class: FFP2 NR D; EN 149:2001+A1:2009; expiration date; number of the product

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.