

The report of the EU type-examination
№. R.ITT.43.56.6.3.244.PPE.2534 Date of issue: 11.10.2018
 (Issue I)

1. Name and address of the manufacturer

Automax Industrial Ltd.
 Nr 75, Baowang Road, Gaoqiao Ind zone,
 Ningbo, 315174
 China

2. Identification of personal protective equipment

Filtering half mask to protect against particles

- 7020GD FFP2 NR D
- 7021GDV FFP2 NR D

3. PPE category: III

in accordance with the Annex I of the regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

4. Visual description of the PPE

Filtering half mask type 7020GD FFP2 NR D and type 7021GDV FFP2 NR D is a complete, disposable device (limited to single shift use only), which is a respiratory protective device against solid and liquid particles.

The design of the half mask consists of the following basic elements:

- bowl made of four-layers filtering material,
- nose clip - plastic stripe (2 wires connected by plastic bridge) intended for shaping of a half mask top edge of under the form of nose bridge,
- head straps,
- internal nose sealing.
- exhalation valve (only type 7021GDV FFP2 NR D).

Filtering half mask type 7020GD FFP2 NR D



Filtering half mask type 7021GDV FFP2 NR D



5. Materials

	Material
<i>Bowl</i>	Four layers: external – polypropylene non-woven cover material (28 g/m ²), non woven bottom material – polypropylene (100 g/m ²), non-woven filter media material – polypropylene melt blown (60 g/m ²), internal – polypropylene non-woven bottom material (200 g/m ²)
<i>Valve</i>	Body - Polypropylene Membrane – Silicone (only type 7021GDV FFP2 NR D)
<i>Head straps</i>	Elastic rubber
<i>Nose sealing</i>	Polyurethane foam
<i>Stripe for bowl shaping</i>	Polypropylene

Detailed information regarding used for production of the PPE materials are presented in the Technical Files, archived in ITT CERTEX Sp. z o.o. (Ltd.).

6. Product marking

 **GREEN DEVIL**
 AUTOMAX INDUSTRIAL Ltd
 75 # Baowang Street, Gaogiao ind zone
 315174, Ningbo, CHINA
 7020GD FFP2 NR D
 EN 149:2001+A1:2009
CE 2534

 **GREEN DEVIL**
 AUTOMAX INDUSTRIAL Ltd
 75 # Baowang Street, Gaogiao ind zone
 315174, Ningbo, CHINA
 7021GDV FFP2 NR D
 EN 149:2001+A1:2009
CE 2534

7. Technical file:

- a) *Title of technical file:* Manufacturing technical file for filtering half-mask – class FFP2 NR D
- b) *Reference of the technical file:* FFP2/7020GD-7021GDV/PPE-Reg/2018
- c) *Date of issue:* 17th of September, 2018

The technical documentation contains:

- a complete description of the PPE and of its intended use;
- an assessment of the risks against which the PPE is intended to protect;
- a list of the essential health and safety requirements that are applicable to the PPE;
- necessary drawings and descriptions;

- the references of the harmonised standards that have been applied for the design and manufacture of the PPE;
- the results of tests in so far as necessary for the verification of compliance with the essential health and safety requirements;
- reports on the tests carried out to verify the conformity of the PPE with the applicable essential health and safety requirements and the relevant protection class;
- a description of the means used by the manufacturer during the production of the PPE to ensure the conformity of the PPE produced with the requirements and to maintain quality level;
- a copy of the manufacturer's instructions and information;
- identification of production sites.

Note: Technical file and instructions for use for the EU type-examination are presented in English only.

8. Available sizes

Not applicable

9. Standards and other documents

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

10. Tests results obtained

Parameter – standard point EN 149:2001+A1:2009	Test method	Number and date issue of test report	Evaluation
7.3 Visual inspection	EN 149:2001 +A1:2009 p. 8.2	2018-W-042 of 12.09.2018 ¹⁾ 2018-W-043 of 12.09.2018 ¹⁾	Pass
7.4 Package	EN 149:2001 +A1:2009 p. 8.2	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.5 Material	EN 149:2001 +A1:2009 p. 8.2	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.7 Practical performance	EN 149:2001 +A1:2009 p. 8.4	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.8 Finish of parts	EN 149:2001 +A1:2009 p. 8.2	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.9.1 Total inward leakage	EN 149:2001 +A1:2009 p. 8.5	2018-W-043 of 12.09.2018 ¹⁾	Pass Class: FFP2
7.9.2 Penetration of filter material	EN 149:2001 +A1:2009 p. 8.11 EN 13274-7:2008	2018-W-043 of 12.09.2018 ¹⁾	Pass Class: FFP2
7.10 Compatibility with skin	EN 149:2001 +A1:2009 p. 8.4, 8.5	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.11 Flammability	EN 149:2001 +A1:2009 p. 8.6	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.12 Carbon dioxide content of the inhalation air	EN 149:2001 +A1:2009 p. 8.7	2018-W-042 of 12.09.2018 ¹⁾ 2018-W-043 of 12.09.2018 ¹⁾	Pass
7.13 Head harness	EN 149:2001 +A1:2009 p. 8.4, 8.5	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.14 Field of vision	EN 149:2001 +A1:2009 p. 8.4	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.15 Exhalation valve	EN 149:2001 +A1:2009 p. 8.2 and 8.9.1	2018-W-043 of 12.09.2018 ¹⁾	Pass
7.16 Breathing resistance	EN 149:2001 +A1:2009 p. 8.9	2018-W-042 of 12.09.2018 ¹⁾ 2018-W-043 of 12.09.2018 ¹⁾	Pass Class: FFP2
7.17 Clogging (to dolomite dust)	EN 149:2001 +A1:2009 p. 8.10	2018-W-042 of 12.09.2018 ¹⁾ 2018-W-043 of 12.09.2018 ¹⁾	Pass Class: FFP2

1) National Quality Supervision and Testing Center for Personal Protective Equipment (Beijing – China), Accreditation - CNAS L1499

11. Product marking, and user information provided by the manufacturer

Performance	Requirements	Evaluation
Marking	EN 149:2001+A1:2009, p. 9	Pass
Information supplied by the manufacturer	EN 149:2001+A1:2009, p.10	Pass

SUMMARY

Carried out the conformity assessment process of the PPE named:

Filtering half mask to protect against particles, type

– 7020GD FFP2 NR D

– 7021GDV FFP2 NR D

certifies compliance with the essential requirements contained in Annex II of the Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC and the requirements of the harmonized standards referred to in section 9 of this report.



Michał Górski
President of Board

Łódź, 11th of October, 2018

Note:

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2. This document is valid in connection with the technical file and the instructions for use in English language.
3. Total number of report pages: 4.