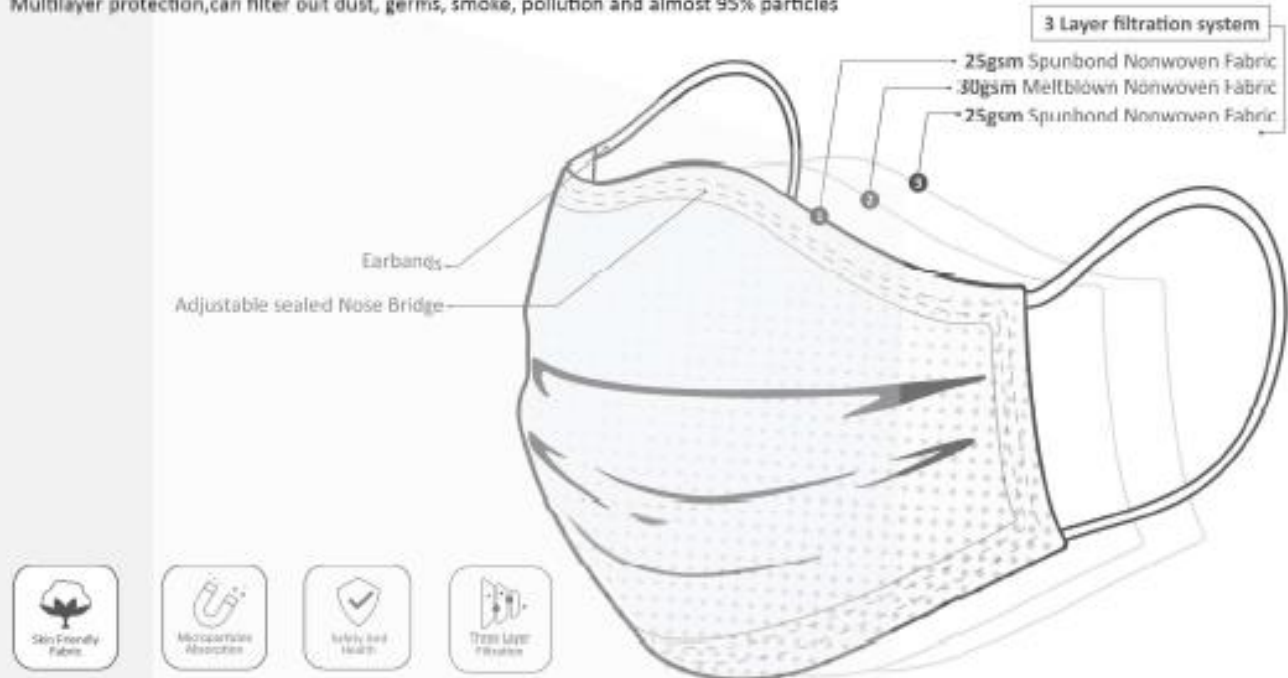


DM-100 DISPOSABLE FACE MASK 3PLY

A 3ply face mask is a loose-fitting, disposable device that creates a physical barrier between the mouth and nose of the wearer and potential contaminants in the immediate environment.

Multilayer protection, can filter out dust, germs, smoke, pollution and almost 95% particles



Three-ply material is made up of a melt-blown polymer, most commonly polypropylene, placed between non-woven fabrics. The melt-blown material acts as the filter that stops microbes from entering or exiting the mask. Pleats are commonly used to allow the user to expand the mask such that it covers the area from the nose to the chin. The masks are secured to the head with ear loops, head ties, or elastic straps.



For additional information and limitations of use please contact our technical department at info@dmcmask.com. Specifications may change without prior notification.

Typical Applications:

- Personal Protection,
- Base Metal Manufacture,
- Pharmaceuticals,
- Laboratories,
- Foodstuffs e.g. Bagging,
- Powdered Additives,
- Powdered Chemicals,
- Sawmills

Advanced Filter Media

1. 25gsm Spunbond Nonwoven (Made in Europe)
 2. 30gsm Meltblown Nonwoven (Made in USA)
 3. 25gsm Spunbond Nonwoven (Made in Europe)
- Consistent high level performance
 - Effective filtration combined with low breathing resistance.

SPECIFICAION:

Product name: Protective Face Mask

Model: DN-100

Category: PPE Category I

Standart: EN149:2001+A2009

Appointment: For Everyday Use

Color: Light Blue/Pink/Black



Available in packs of various quantities and various colors: 5 or 50 pcs/pack.



DMC mask
www.dmcmask.com

EXCLUSIVE EDITIOM Disposable Black color Face mask.
Available in 25pcs/pack With Exclusive DMC MASK Design box.

SPECIFICAION:

Product name: Protective Face Mask

Model: DN-100

Category: PPE Category I

Standart: EN149:2001+A2009

Appointment: For Everyday Use

Color: Black



SRI CENTER FOR PHYSICAL SCIENCES AND TECHNOLOGY

Department of Environmental Research

PROTOCOL 202007/10/3

10 July 2020

1. CUSTOMER:	Techdentika, Savanorių pr. 178F, Vilnius Lietuva (Title and address)
2. MANUFACTURER:	Techdentika, Savanorių pr. 178F, Vilnius Lietuva (Title and address)
3. PRODUCT:	Disposable mask (see Annex 1, Figs. 1) (Title, standard, description)
4. DATE RECEIVED OF SAMPLES	2020 July 8
5. TEST DATA	2020 July 8-9
6. TEST SITE	SRI CPST, Department of Environmental Research, Saulėtekio al. 3, Vilnius
7. SAMPLES SELECTED	For all provided
8. TESTS PERFORMED ACCORDING TO	By near European Standard EN 149:2001+A1:2009 (7.9.2. Penetration of filter material) (normative document number or description of test method, test procedure) Scanning mobility particle sizer TSI 3936 (SMPS), Aerodynamic aerosol spectrometer (APS) TSI 3321, Aerosol generator TSI 3076, NaCl 2%, 20 nm – 2 m size range.
9. TEST EQUIPMENT	(accuracy class, measurement uncertainty)

PURPOSE OF THE TESTS: Determine the compliance of respirators with FFP2 protection class.

TEST RESULTS: Face mask filtration efficiency (7.9.2) was tested using aerosol particles generated from the 2.0% solution of NaCl as described in EN 149:2001+A1:2009 standard. The fragment of surface area of 17.4 cm² was cut out from the face masks for investigation. Part of the respirators (3 pcs.) were tested as provided by the customer, the other part was conditioned. Temperature conditioning was performed for the respirators (3 pcs.) for 24 h. 70 ° C and 24 h. -18 ° C. The calculated respirator filtration efficiency values are given in Fig. 2 and Table 1 (ANNEX 2).

NOTE: Test results are limited to these tested medical mask.

CONCLUSIONS: The half mask testing according 7.9.2. Penetration of filter material (EN 149:2001+A1:2009) was evaluated in the aerosol particle size range from 0.54 to 2.2 μm - **99.7%**. Filtration efficiency **meets** the requirements for particle-filtering half masks **FFP2** particulate respirator.

OTHER INFORMATION: -

Test:

dr. Vadimas Dudoitis

Protocol approved:  Head of Environmental Research Department dr. Steigvilė Byčėnienė



Figure 1. Disposable mask

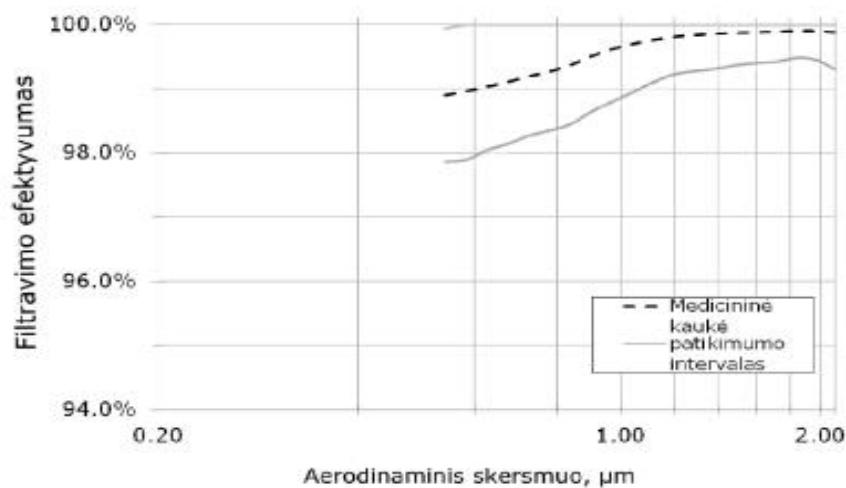


Fig. 2. Penetration of filter material (7.9.2.) for aerosol particles generated from 2.0% NaCl solution. Overall mask filtration efficiency in terms of number concentration of particles.

Table 1. Evaluation of FFP2 filtration efficiency of textile mask with and without additional layer.

		Respirator efficiency		
		Aerodynamic diameter [*] : 0.02 - 0.45 µm	Aerodynamic diameter ^{**} : 0.54 - 2.13 µm	Interval: 0.02 - 2.13 µm
Sample Nr. 1	Mean		99.7 ± 0.2 %	
Sample Nr. 2	Mean		99.7 ± 0.2 %	
Sample Nr. 3	Mean		99.8 ± 0.3 %	
Efficiency	Mean		99.7 %	
	0.95 Significance level		(99.0 %, 100.0 %)	

EU DECLARATION OF CONFORMITY

**REGULATION (EU) 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9
March on personal protective equipment and repealing Council Directive 89/686/EEC**

This is hereby declared that following designated product complied with the essential health and safety requirements of above Council Directive(s) on the approximation of the laws of the Member States relating to it.

Product Name:

DMC MASK

Model(s): **DM-100**

EN149:2001+A1:2009

CE

Category I

(according REGULATION (EU) 2016/425)

This declaration is the responsibility of the Manufacturer: **Techdentika**

Address: Savanoriu ave. 178F, Vilnius, Lithuania

This declaration applies to all specimens manufactured identical to the model submitted for evaluation. Assessment of compliance of the product with the requirements relating to safety standards and legal requirements listed above was performed by manufacturer. Other relevant legal requirements for product and manufacturing have to be observed.

SIGNED ON BEHALF OF **Techdentika**

VILNIUS, LITHUANIA DATE 2020.06.30

General Manager Vytautas Adomaitis



Any issued Declarations on these products
before 2020.06.30 are cancelled.

Document valid until 2021.06.30