

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Magnum Health & Safety Pvt. Ltd.

Model Tested: Dustoguard Exhale

Date Tested: May 13, 2020

These findings pertain to the products labeled as Magnum Health & Safety Pvt. Ltd., Dustoguard Exhale. The labeling for this product indicates that it meets EN149:2001+A1:2009 (the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking).

Ten respirators were submitted for evaluation. The samples were tested using a modified version of NIOSH Standard Test Procedure (STP) TEB-APR-STP-0059. This modified assessment plan can be found [here](#).

No certificate of approval was provided with the samples received; therefore, the authenticity of the claims cannot be validated.

The maximum and minimum filter efficiency was 91.62% and 88.70%, respectively. All ten respirators measured less than 95%.

While the above-listed product classification has similar performance requirements to NIOSH-approved devices, NIOSH does not have knowledge about the sustained manufacturer quality system and product quality control for these products. NIOSH also does not have knowledge about the product's handling and exposures after leaving its manufacturer's control.

This product has head bands/straps. While filter efficiency shows how well the filter media performs, users must ensure a proper fit is achieved.

This assessment is not a part of the NIOSH respirator approval process and will in no way lead to or preclude NIOSH approval through the official approval process. This assessment was developed as an assessment of the filter efficiency for those respirator's represented as certified by an international certification authority, other than NIOSH, to support the availability of respiratory protection to US healthcare workers due to the respirator shortage associated with COVID-19. Only particulate filter efficiency was assessed.

The results provided in this letter are specific to the subset of samples that were provided to NPPTL for evaluation.

These results will be used to update the CDC guidance for [Crisis Capacity Strategies \(during known shortages\)](#).

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: May 13, 2020

Report Prepared: May 14, 2020

Manufacturer: Magnum Health & Safety Pvt. Ltd.

Item Tested: Dustoguard Exhale

Country of Certification: China (EN149:2001+A1:2009)

Pictures have been added to the end of this report.

Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	8.6	9.70	9.70	90.30
2	85	8.3	9.13	9.13	90.87
3	85	12.4	11.3	11.3	88.70
4	85	12.6	10.3	10.3	89.70
5	85	8.7	9.57	9.57	90.43
6	85	9.5	9.0	9.0	91.00
7	85	10.3	10.1	10.1	89.90
8	85	9.7	10.5	10.5	89.50
9	85	9.7	8.5	8.5	91.50
10	85	9.0	8.38	8.38	91.62
Minimum Filter Efficiency: 88.70			Maximum Filter Efficiency: 91.62		

- The test method utilized in this assessment is not the NIOSH standard test procedure that is used for certification of respirators. Respirators assessed to this modified test plan do not meet the requirements of STP-0059, and therefore cannot be considered equivalent to N95 respirators that were tested to STP-0059.
- Respirators tested may not be representative of all respirators with the same certification mark. NIOSH has no control over suppliers and distributors of respirators certified by other national or international parties.
- This assessment is not a confirmation that it conforms with any or all of its specifications in accordance with its certification mark.
- This assessment was not a part of the NIOSH approval program. These results do not imply nor preclude a future approval through the NIOSH respirator approval program.



NPPTL COVID-19 Response: International Respirator Assessment

Particulate Respirator
MAGNUM

		N95	FFP3
APPLICATION GUIDE	FFP1	FFP2	FFP3
Dustoguard Exhale			
Woodworking			
Grinding and cutting by hand	•		
Grinding and cutting by machine		•	
Drilling		•	
Working with hard-wood e.g. birch or oak		•	
Pharmaceutical Industry	•	•	
Weldoguard			
Woodworking			
Welding Gases & Fumes		•	
Lase cutting	•	•	
Cutting, Grinding & Drilling	•	•	
Formoguard			
Metalworking			
Cutting, grinding and drilling		•	
Working with stainless steel and coated metals		•	
Laser-cutting		•	
Welding		•	•
Pharmaceutical Industry	•	•	
Working with stone			
Cutting and drilling		•	
Cement and Quartz	•	•	•
Engineering and Automotive			
Grinding and polishing		•	•
Replacing brake pads or clutch	•	•	

USAGE LIFE : Filter mask gets clogged with dust particles indicated by increase in breathing resistance. The filter mask shall be discarded after use.

STORAGE INSTRUCTION : The filter mask until use shall be stored in the bag to retain its properties. For transport such bags shall be suitably packed in outer cartons to protect from climatic hazards and mechanical shocks.

SHELF LIFE : 36 months from the date of manufacture. (if stored between -5°C and +50°C & Humidity not over 80%)

MM-0612

Batch No. Feb-20

Mfg. Date QTY: 50 PCS

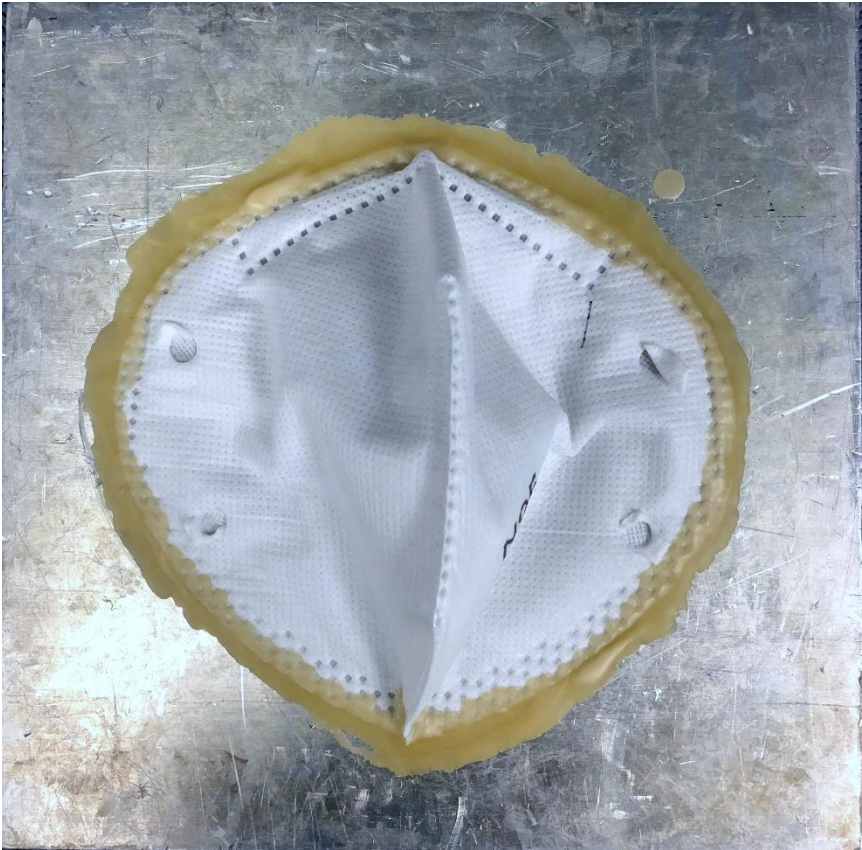
M.R.P. : Rs. 5000/-
(Incl. of all taxes)

Manufactured by : **MAGNUM HEALTH & SAFETY Pvt. Ltd.**
Formerly known as **MAGNUM Medicare Pvt. Ltd.**
Survey No. 14, Hissa No.2, Unit No. 21,22,23 Supreme Estate, Village Devdal, Taluka Vasai, Thane - 401203.
Tel. : 022-25484282 • Customer Care No. : 08080850482 • e-mail : info@magnummedicare.com

NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

