

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Neolithic Tech Co., Ltd.  
Model Tested: N95 Medical Protective Mask  
Date Tested: May 13, 2020

These findings pertain to the products labeled as Neolithic Tech Co., Ltd., N95 Medical Protective Mask. 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 99.99% and 99.81%, respectively. All ten respirators measured more 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.

In addition, this product is an ear loop design. Currently, there are no NIOSH-approved products with ear loops; NIOSH-approved N95s have head bands. Furthermore, limited assessment of ear loop designs, indicate difficulty achieving a proper fit. 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:** Neolithic Tech Co., Ltd.

**Item Tested:** N95 Medical Protective Mask

**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 <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	9.2	0.00	0.01	99.99
2	85	8.7	0.17	0.19	99.81
3	85	9.0	0.12	0.14	99.86
4	85	8.7	0.01	0.03	99.97
5	85	8.7	0.01	0.03	99.97
6	85	9.5	0.02	0.05	99.95
7	85	8.6	0.02	0.05	99.95
8	85	9.3	0.01	0.05	99.95
9	85	9.4	0.01	0.02	99.98
10	85	8.4	0.11	0.15	99.85
<b>Minimum Filter Efficiency: 99.81</b>			<b>Maximum Filter Efficiency: 99.99</b>		

- 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.



**PRODUCT INFORMATION :**

[Product Name] N95 Medical Protective Mask

[Brand Name] DOC

[Product Grade] Eur: EN14683-2014:TYPE1a; EN 149:2001+A1:2009

Aus: AS/NZS 1716:2012 P2

USA: ASTM F2100-2011 LOW(BFE)

[Mass Detection] Qualified

[Executive Standard] Eur: EN14683-2014; Aus: AS/NZS 1716:2012

USA: ASTM F2100-2011

[Production Date] See the potted line of packing mark.

[Period of Validity] 2020.03-2022.02

[Packaging Specification] 10 pcs/Bag.

[supplier] NEOLITHIC TECH CO.,LTD

[Telephone] +86 20 84557556

[e-mail address] mask@form.net.cn

[Address] No.16, Haishun Road, Nancun Town, Panyu District,  
Guangzhou



**Made in China**



# NPPTL COVID-19 Response: International Respirator Assessment

## INSTRUCTIONS:



1. Open the mask.
2. Hang the ear straps on both ears.
3. Adjust the nose clip.
4. Smooth the mask on both sides.

## MATTERS NEEDING ATTENTION:



Do not use if package is damaged.



Do not touch the contaminated surface when removing the mask.



Please put it into the medical garbage can after use.

COUNTRY	CERTIFICATE	Certificate No. held by Neolithic TECH Co.,Ltd	Official Website for Certificate Enquiry
EUR	CE	No. ICR Polska/P6301883	EMAIL:icrpolska@icrqa.com WEB: www.icrpolska.com
USA	FDA	No : HU-M-200328002	<a href="https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfRL/rl.cfm">https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfRL/rl.cfm</a>
AUS	TGA	ARTG (Certificate No. 332468)	<a href="https://tga-search.clients.funnelback.com/s/search.html?query=&amp;collection=tga-artg">https://tga-search.clients.funnelback.com/s/search.html?query=&amp;collection=tga-artg</a>
CA	MDEL	No : HU-M-200328002	<a href="https://health-products.canada.ca/mdel-leim/index-eng.jsp">https://health-products.canada.ca/mdel-leim/index-eng.jsp</a>





# NPPTL COVID-19 Response: International Respirator Assessment

Production date: Mar.2020

Expiration date: Feb.2022

## INSTRUCTIONS:



1. Open the mask.



2. Hang the ear straps on both ears.



3. Adjust the nose clip.



4. Smooth the mask on both sides.

## MATTERS NEEDING ATTENTION:



Do not use if package is damaged.



Do not touch the contaminated surface when removing the mask.



Please put it into the medical garbage can after use.

## PRODUCT INFORMATIONS:

[Product Name] N95 Medical Protective Mask

[Brand Name] DOC

[Product Grade] Eur: EN14683-2014:TYPE1a; EN 149:2001+A1:2009

Aus: AS/NZS 1716:2012 P2

USA: ASTM F2100-2011 LOW(BFE)

[Mass Detection] Qualified

[Executive Standard] Eur: EN14683-2014; Aus: AS/NZS 1716:2012

USA: ASTM F2100-2011

[Production Date] See the potted line of packing mark.

[Period of Validity] 2020.03-2022.02

[Packaging Specification] 10 pcs/Bag.

[supplier] NEOLITHIC TECH CO.,LTD

[Telephone] +86 20 84557556

[e-mail address] mask@form.net.cn

[Address] No.16, Haishun Road, Nancun Town, Panyu District, Guangzhou

COUNTRY	CERTIFICATE	Certificate No. held by Neolithic TECH Co.,Ltd	Official Website for Certificate Enquiry
EUR	CE	No. ICR-Polska/P0301883	WEB: www.icrpolska.com, EMAIL: icrpolska@icrqa.com
USA	FDA	No. HJ-M-200329002	https://www.accessdata.fda.gov/drugsatfda/cdrh/oc/cdrh/RLA1.cfm
AUS	TGA	ARTG (Certificate No. 33248)	https://tga-search.clients.funnelback.com/#/search.html?query=&collection=tga-artg
CA	MDL	11744	https://health-products.canada.ca/mdel/lem/index-eng.jsp



Made in China

NPPTL COVID-19 Response: International Respirator Assessment





NPPTL COVID-19 Response: International Respirator Assessment





NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

