

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Shanghai Dasheng Health Products Manufacture Co., Ltd.

Model Tested: DTC3X

Date Tested: July 9, 2020

These findings pertain to the Shanghai Dasheng Health Products Manufacture Co., Ltd., model DTC3X. The labeling on the product indicates that it is a NIOSH-approved product, under approval number TC-84A-4329. However, this product was received in boxes indicating the manufacturer is Zhejiang Chuangneng Machinery Co., Ltd., model CN95, under the brand name CNE. Shanghai Dasheng Health Products Manufacture Co., Ltd., through correspondence with NIOSH, has indicated that this product is counterfeit.

Thirty respirators were submitted for evaluation. The respirators were sampled into groups of ten 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 99.84% and 98.60%, respectively. Twenty-nine respirators measured more than 95%. One respirator (#30) was defective, with a split in the middle seam, and could not be tested (see photo at end of report).

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: July 9, 2020

Report Prepared: July 15, 2020

Manufacturer: Shanghai Dasheng Health Products Manufacture Co., Ltd.

Item Tested: DTC3X (Sample Group 1 of 3)

Country of Certification: USA (claimed, 42 CFR 84)

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	14.7	0.39	0.39	99.61
2	85	16.1	0.31	0.31	99.69
3	85	15.9	0.28	0.28	99.72
4	85	15.0	0.41	0.41	99.59
5	85	12.7	0.92	0.92	99.08
6	85	11.8	0.78	0.78	99.22
7	85	14.9	0.69	0.69	99.31
8	85	14.8	0.52	0.52	99.48
9	85	14.5	1.08	1.08	98.92
10	85	14.9	0.91	0.91	99.09
Minimum Filter Efficiency: 98.92			Maximum Filter Efficiency: 99.72		

- 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

Test: Modified TEB-APR-STP-0059

Date Tested: July 9, 2020

Report Prepared: July 15, 2020

Manufacturer: Shanghai Dasheng Health Products Manufacture Co., Ltd.

Item Tested: DTC3X (Sample Group 2 of 3)

Country of Certification: USA (claimed, 42 CFR 84)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH₂O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	13.8	1.40	1.40	98.60
12	85	16.2	0.51	0.51	99.49
13	85	17.5	0.20	0.20	99.80
14	85	16.4	0.41	0.41	99.59
15	85	14.4	0.39	0.39	99.61
16	85	16.5	0.31	0.31	99.69
17	85	15.5	0.83	0.83	99.17
18	85	15.7	0.58	0.58	99.42
19	85	19.8	0.16	0.16	99.84
20	85	15.4	0.36	0.36	99.64
Minimum Filter Efficiency: 98.60			Maximum Filter Efficiency: 99.84		

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NPPTL COVID-19 Response: International Respirator Assessment

Test: Modified TEB-APR-STP-0059

Date Tested: July 9, 2020

Report Prepared: July 15, 2020

Manufacturer: Shanghai Dasheng Health Products Manufacture Co., Ltd.

Item Tested: DTC3X (Sample Group 3 of 3)

Country of Certification: USA (claimed, 42 CFR 84)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	20.1	0.36	0.36	99.64
22	85	18.4	0.66	0.66	99.34
23	85	17.3	0.35	0.35	99.65
24	85	13.5	0.46	0.46	99.54
25	85	18.4	1.20	1.20	98.80
26	85	16.9	0.34	0.34	99.66
27	85	14.3	0.48	0.48	99.52
28	85	17.6	1.37	1.37	98.63
29	85	15.9	0.85	0.85	99.15
30	85	Defective	Defective	Defective	Defective
Minimum Filter Efficiency: 98.63			Maximum Filter Efficiency: 99.66		

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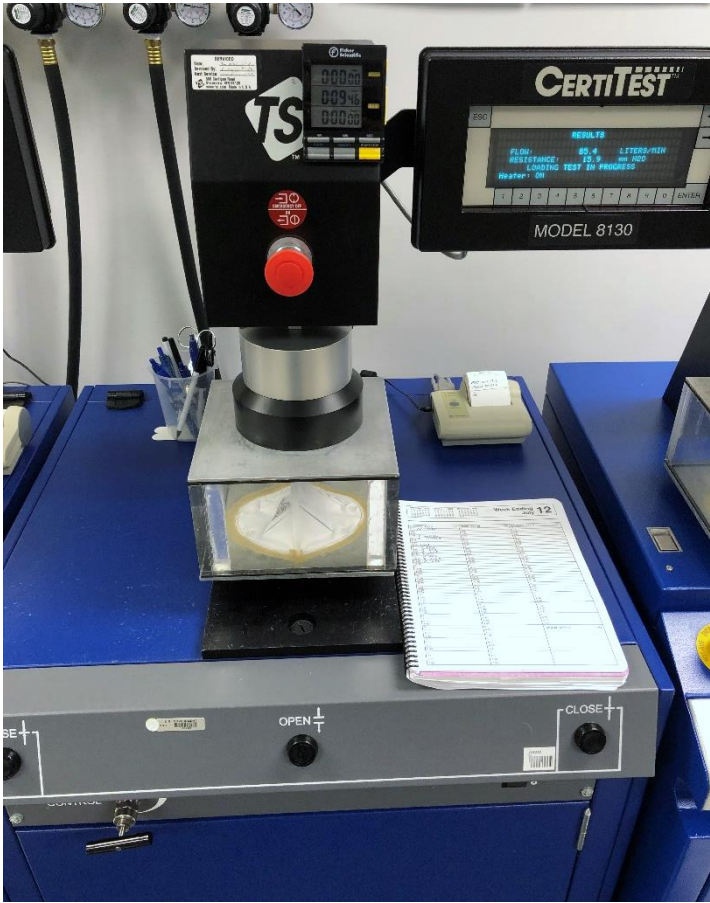
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