



National Institute for Occupational Safety and Health
National Personal Protective Technology Laboratory
Evaluation and Testing Branch

TEST REPORT

Task Number: 23386

Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.

Prepared by: Nichole Suhon

Date: March 27, 2020

Tests Conducted by: Nichole Suhon

Respirator Tested: MS8225

Tests Completed

<u>Test Description</u>	<u>STP Number</u>
A. Exhalation Resistance Test	TEB-APR-STP-0003
B. Inhalation Resistance Test	TEB-APR-STP-0007
C. Sodium Chloride (NaCl) N95 Test	TEB-APR-STP-0059

Overall Results

The respirator system tested met the requirements of all the above procedures.

Statement of Disclaimer

The results of this testing relate only to the items listed above that were tested by this laboratory according to test request: TN23386SSP.tr1.

3/27/2020

X Jeremy J. Brannen

Laboratory Manager
Signed by: Jeremy J. Brannen -A

**National Institute for Occupational Safety and Health
Respirator Branch
Test Data Sheet**



Task Number: TN-23386

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.

Filter Type: Filter Only

Item Tested: MS8225

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Exhalation	Exhalation	
1	25	8.4	PASS
2	25	8.6	PASS
3	25	8.1	PASS

Overall Result: PASS

Comments:

Samples were tested on manometer 000426.

Was all equipment verified to be in calibration throughout all testing?



Yes



No

Signature:

Date: 2/20/2020

Engineering Technician

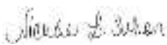
Task Number: TN-23386

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.

Signature: 

Date: 2/20/2020

Engineering Technician

**National Institute for Occupational Safety and Health
Respirator Branch
Test Data Sheet**



Task Number: TN-23386 **Reference No.:** CFR 84.180
Test: Inhalation Resistance Test **STP No.:** 7
Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.
Item Tested: MS8225

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H₂O)	Actual Resistance (MM of H₂O)	Result
	Inhalation	Inhalation	
1	35	10.7	PASS
2	35	9.9	PASS
3	35	9.1	PASS

Overall Result: PASS

Signature: *[Signature]*

Date: 2/20/2020

Engineering Technician

Task Number: TN-23386

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.

Item Tested: MS8225

Comments:

Samples were tested on manometer 000034.

Was all equipment verified to be in calibration throughout all testing? Yes No

Signature: 

Date: 2/20/2020

Engineering Technician

**National Institute for Occupational Safety and Health
Respirator Branch
Test Data Sheet**



Task Number: TN-23386 **Reference No.:** CFR 84.181
Test: Sodium Chloride (NaCl) - N95 **STP No.:** 59
Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.
Item Tested: MS8225

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	10.6	5.00	0.238	0.261	PASS
2	85	10.5	5.00	0.756	0.814	PASS
3	85	10.2	5.00	0.232	0.240	PASS
4	85	10.1	5.00	0.252	0.273	PASS
5	85	10.8	5.00	0.160	0.171	PASS
6	85	9.8	5.00	0.200	0.251	PASS
7	85	11.1	5.00	0.231	0.248	PASS
8	85	10.7	5.00	0.210	0.285	PASS
9	85	10.8	5.00	0.269	0.272	PASS
10	85	10.6	5.00	0.136	0.167	PASS
11	85	10.0	5.00	0.218	0.227	PASS
12	85	9.7	5.00	0.241	0.271	PASS
13	85	10.7	5.00	0.184	0.205	PASS
14	85	9.2	5.00	0.221	0.223	PASS
15	85	8.6	5.00	0.169	0.169	PASS
16	85	9.0	5.00	0.227	0.227	PASS
17	85	9.1	5.00	0.249	0.249	PASS
18	85	9.2	5.00	0.209	0.209	PASS
19	85	8.6	5.00	0.174	0.176	PASS
20	85	8.8	5.00	0.204	0.210	PASS

Overall Result: PASS

Signature:

Date: 3/27/2020

Engineering Technician

Task Number: TN-23386

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Suzhou Sanical Protective Product Manufacturing Co., Ltd.

Item Tested: MS8225

Comments:

Samples 1-9 were tested on TSI 8130 machine 000334 using timer 000215. Samples 10-13 were tested on TSI 8130A machine 000388. Samples 14-20 were tested on TSI 8130 machine 000333. Flow rate is measured in liters/min. Resistance is measured in mm H₂O.

Was all equipment verified to be in calibration throughout all testing? Yes No

Signature: 

Date: 3/27/2020

Engineering Technician