



TEST REPORT

Task Number: 21304

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

Prepared by: Nichole Petitta

Date: April 27, 2017

Tests Conducted by: Nichole Petitta

Respirator Tested: MS6115

Background Information

Respirator tested as per test request.

Tests Assigned

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

Overall Results

The respirator system tested did meet the requirements of all of the procedures listed above.

Statement of Disclaimer

The results of this testing relate only to the items listed above that were tested by this laboratory.

4/27/2017

X Jay A. Parker

Laboratory Manager

Signed by: Jay A. Parker -S



DEPARTMENT OF HEALTH & HUMAN SERVICES

NIOSH Reference: TN-21304

Centers for Disease Control
and Prevention (CDC)

National Institute for Occupational
Safety and Health (NIOSH)
National Personal Protective
Technology Laboratory (NPPTL)
626 Cochran Mill Road
Pittsburgh, PA 15236-0070
Phone: 412-386-4000
Fax: 412-386-4051

October 31, 2017

Mr. Guoping Jiang
Technical Director
Suzhou Sanical Protective Product Manufacturing Co., Ltd.
No. 21, Xihenggang Street, Yanghenghu Town
Xiangcheng District
Suzhou City, 215002
CHINA

Dear Mr. Jiang:

Each year the National Institute for Occupational Safety and Health (NIOSH) conducts product audits of NIOSH-certified respirators purchased from the open market, or obtained directly from the manufacturer. Selected NIOSH certification tests are performed on these samples to determine if they continue to meet the applicable requirements of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84).

In FY-2017, the Suzhou Sanical Protective Product Manufacturing Co., Ltd. model MS6115 N95 filtering facepiece respirator, NIOSH-approval number TC-84A-5530, was selected for product audit under task number (TN)-21304. The samples tested, identified by lot number 483604, were obtained from Suzhou Sanical Protective Product Manufacturing Co., Ltd. and passed our audit tests.

A copy of the NIOSH test report and test data sheets are enclosed.

If you have any questions, please contact me at 412-386-5209 or at esx2@cdc.gov.

Sincerely yours,

Jeremy J. Brannen
Quality Assurance Specialist
Evaluation and Testing Branch
National Personal Protective Technology Laboratory

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



Task Number: TN-21304

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Suzhou Sanical Protective Product Manufacturing

Filter Type: Filter Only

Item Tested: MS6115

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Exhalation	Exhalation	
1	25	11.9	PASS
2	25	11.5	PASS
3	25	11.0	PASS

Overall Result: PASS

Comments:

Samples were tested on manometer 000283.

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



Yes



No

Signature:

Nickolas L. Petitta

Date: 4/27/2017

Engineering Technician

Task Number: TN-21304

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Suzhou Sanical Protective Product Manufacturing

Signature:

Nickie L. Petitta

Date: 4/27/2017

Engineering Technician

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



Task Number: TN-21304

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Suzhou Sanical Protective Product Manufacturing

Item Tested: MS6115

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Inhalation	Inhalation	
1	35	12.8	PASS
2	35	12.3	PASS
3	35	11.9	PASS

Overall Result: PASS

Signature:

Nickolas L. Petitta

Date: 4/27/2017

Engineering Technician

Task Number: TN-21304

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Suzhou Sanical Protective Product Manufacturing

Item Tested: MS6115

Comments:

Samples were tested on manometer 000285.

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



Yes



No

Signature:

Nickolas L. Petitta

Date: 4/27/2017

Engineering Technician

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



Task Number: TN-21304

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Suzhou Sanical Protective Product Manufacturing

Item Tested: MS6115

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	13.6	5.00	0.564	0.624	PASS
2	85	12.9	5.00	0.488	0.549	PASS
3	85	13.2	5.00	0.374	0.455	PASS
4	85	13.2	5.00	0.549	0.622	PASS
5	85	13.1	5.00	0.662	0.717	PASS
6	85	13.2	5.00	0.370	0.443	PASS
7	85	14.1	5.00	0.428	0.508	PASS
8	85	13.4	5.00	1.150	1.260	PASS
9	85	13.3	5.00	0.871	1.040	PASS
10	85	12.6	5.00	0.440	0.499	PASS
11	85	12.8	5.00	0.527	0.592	PASS
12	85	13.5	5.00	0.734	0.800	PASS
13	85	13.2	5.00	0.650	0.674	PASS
14	85	13.5	5.00	0.458	0.528	PASS
15	85	12.9	5.00	0.597	0.661	PASS
16	85	13.6	5.00	0.713	0.763	PASS
17	85	12.5	5.00	0.701	0.755	PASS
18	85	12.9	5.00	0.529	0.635	PASS
19	85	12.7	5.00	0.909	0.973	PASS
20	85	13.4	5.00	0.806	0.882	PASS

Overall Result: PASS

Signature:

Nicole L. Petitta

Date: 4/27/2017

Engineering Technician

Task Number: TN-21304

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Suzhou Sanical Protective Product Manufacturing

Item Tested: MS6115

Comments:

Samples 1-7 were tested on TSI 8130 machine 000334 using timer 000215. Samples 8-15 were tested on TSI 8130 machine 000333 using timer 000214. Samples 16-20 were tested on TSI 8130 machine 000332.

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

☒ Yes ☐ No

Signature:

Nickie L. Petitta

Date: 4/27/2017

Engineering Technician