

THIS RESPIRATOR IS APPROVED ONLY IN THE FOLLOWING CONFIGURATION:

TC	Protection ¹	Respirator	Cautions and Limitations ²
		SQ100Sb	
84A-XXXX	N95	X	ABCJMNO P

1. Protection

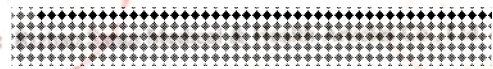
N95-Particulate Filter (95% filter efficiency level) Effective against particulate aerosols free of oil; time use restrictions may apply.

2. Cautions and Limitations

- A - Not for use in atmospheres containing less than 19.5% oxygen.
- B - Not for use in atmospheres immediately dangerous to life or health.
- C - Do not exceed maximum use concentrations established by regulatory standards.
- J - Failure to properly use and maintain this product could result in injury or death.
- M - All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA and other applicable regulations.
- N - Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O - Refer to users instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- P - NIOSH does not evaluate respirators for use as surgical masks.

TEST REPORT

Task Number: TN-21694

Manufacturer: 

Prepared by: Nichole Petitta

Date: September 20, 2017

Tests Conducted by: Emily Merkle, Nichole Petitta

Respirator Tested: SQ100CVb

Background Information

Respirator tested as per test request.

Tests Assigned

<u>Test Description</u>	<u>STP Number</u>
A. Exhalation Resistance Test	TEB-APR-STP-0003
B. Exhalation Valve Leakage Test	TEB-APR-STP-0004
C. Inhalation Resistance Test	TEB-APR-STP-0007
D. Sodium Chloride (NaCl) N95 Test	TEB-APR-STP-0059

Overall Results

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

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



Task Number: TN-21671 Reference No.: CFR 84.182
Test: Exhalation Valve Leakage Test STP No.: 4
Manufacturer:
Item Tested: Exhalation Valve

LEAKAGE						
Sample	Trial #1 (mL/min.)	Trial #2 (mL/min.)	Trial #3 (mL/min.)	Average (mL/min.)	Maximum Allowable (mL/min.)	Result
Valve 1	1.88	1.78	1.78	1.81	30.00	PASS
Valve 2	2.52	2.50	2.50	2.51	30.00	PASS
Valve 3	3.44	3.41	3.39	3.41	30.00	PASS
Overall Result: PASS						

Signature: *Emily M Merckel* Date: 8/29/2017
Engineering Technician

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



Task Number: TN-21671 Reference No.: CFR 84.180
Test: Inhalation Resistance Test STP No.: 7
Manufacturer:
Item Tested: SS9001V-N95

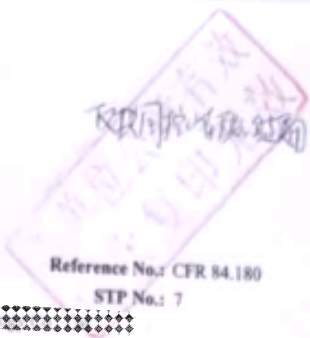
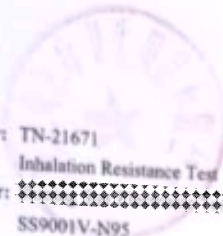
Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Inhalation	Inhalation	
1	35	7.3	PASS
2	35	8.1	PASS
3	35	8.0	PASS

Overall Result: PASS

Signature: *Siende L. Petitta*
Engineering Technician

Date: 8/17/2017



Task Number: TN-21671
Test: Inhalation Resistance Test
Manufacturer:
Item Tested: SS9001V-N95

Reference No.: CFR 84.180
STP No.: 7

Comments:
Samples were tested on manometer 000286.

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

Signature: *Nicole L. Petitta*
Engineering Technician

Date: 8/17/2017

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



Task Number: TN-21671

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer:

Item Tested: SS9001V-N95

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	10.0	5.00	0.374	0.497	PASS
2	85	9.9	5.00	0.616	0.684	PASS
3	85	9.5	5.00	0.454	0.601	PASS
4	85	9.0	5.00	0.342	0.449	PASS
5	85	9.5	5.00	0.337	0.464	PASS
6	85	9.7	5.00	0.233	0.384	PASS
7	85	9.3	5.00	0.466	0.613	PASS
8	85	10.0	5.00	0.330	0.455	PASS
9	85	8.6	5.00	0.439	0.640	PASS
10	85	9.8	5.00	0.606	0.774	PASS
11	85	8.7	5.00	0.602	0.763	PASS
12	85	9.7	5.00	0.802	0.802	PASS
13	85	9.2	5.00	0.770	0.971	PASS
14	85	10.1	5.00	1.040	1.040	PASS
15	85	9.2	5.00	0.446	0.629	PASS
16	85	9.3	5.00	0.478	0.633	PASS
17	85	9.2	5.00	0.472	0.611	PASS
18	85	9.1	5.00	0.442	0.555	PASS
19	85	9.1	5.00	0.468	0.612	PASS
20	85	9.3	5.00	0.510	0.644	PASS

Overall Result: PASS

Signature: *Nicole L. Petitta*
Engineering Technician

Date: 8/31/2017

Task Number: TN-21671

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: [REDACTED]

Item Tested: SS9001V-N95

Comments:

Samples 1-8 were tested on TSI 8130 machine 000332 using timer 000211. Samples 9-13 were tested on TSI 8130 machine 000333 using timer. Samples 14-20 were tested on TSI 8130 machine 000334 using timer 000215.

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

Yes No

Signature:

Nicole L. Petitta

Date: 8/31/2017

Engineering Technician

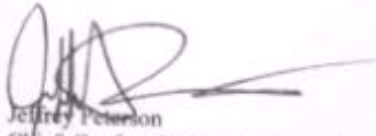
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The approved assembly consists of the parts as listed on the approval label and the assembly matrix. Parts are to be marked with the numbers indicated on the approval label in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

This certificate of approval is not an endorsement of the respirator by NIOSH, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that this respirator has met the requirements of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84).

No changes may be made to any respirators and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before changes are made.

Sincerely,



Jeffrey Peterson
Chief, Conformity Verification and
Standards Development Branch

Enclosures