

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

TEST REPORT

Task Number: TN-22414

Manufacturer: Global Safety First

Prepared by: Jeremy Brannen

Date: November 1, 2018

Tests Conducted by: Jeremy Brannen, Nichole Suhon

Respirator Tested: N1901L, N1901X, N1902L, N1902X

Background Information

Respirator tested as per test request.

Tests Assigned

Test Description	STP Number	
A. Exhalation Resistance Test	TEB-APR-STP-0003	
B. Inhalation Resistance Test	TEB-APR-STP-0007	
C. Evaluation of Novel Head Harness	CVB-63C-STP-0015	
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-22414Test:Exhalation Resistance TestManufacturer:Global Safety First

Reference No.: CFR 84.180 STP No.: 3

Filter Type: Filter Only

Item Tested: N1901X/N1902X

C 1	Maximum Allowable Resistance (MM of H2O)	(MM of H2O)	D L
Sample	Exhalation	Exhalation	Result
1	25	9.4	PASS
2	25	9.7	PASS
3	25	9.9	PASS

Overall Result: PASS

Comments:

Samples 1 was the N1901X and sample 2 and 3 were the N1902X.

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

Signature: Jierdu L. Wen

Date: 10/23/2018

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



Task Number:TN-22414Test:Inhalation Resistance TestManufacturer:Global Safety FirstItem Tested:N1901X/N1902X

Reference No.: CFR 84.180 **STP No.:** 7

Filter Type: Filter Only

	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	
Sample	Inhalation	Inhalation	Result
1	35	10.7	PASS
2	35	11.9	PASS
3	35	11.4	PASS

Signature: Journ & Wen

Date: 10/23/2018

Task Number:TN-22414Test:Inhalation Resistance TestManufacturer:Global Safety FirstItem Tested:N1901X/N1902X

Reference No.: CFR 84.180 **STP No.:** 7

Comments:

Samples 1 was the N1901X and sample 2 and 3 were the N1902X.

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

Signature: Jours Liven

Date: 10/23/2018

Task Number: TN 22414 Manufacturer: Global Safety First Item Tested: N1901L, N1901X,N1902L, N1902X Minimum Fit Factor: 100

CFR Reference No.: 84.63

Subject	Facesize	Facepiece	Re	Bult
Supject	Facesize	Lacebiece	Trial 1	Trial 2
1820	8	N1902X	PASS	PASS
1828	9	N1901L	PASS	PASS
1825	8	N1902L	PASS	PASS
1811	8	N1901X	PASS	PASS
1.417				
				-
····				
10.000 m				
	1			

Overall Result: PASS

Test Operator: Jeremy Brannen

Date: October 25, 2018

Comments:

All test subjects were medically cleared for testing. Subjects did the testing per procedure No. CVB-63C-STP-0015.

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

Equipment used in Testing

Novel Head Harness Testing Report

Name	GAGEPak #	Calibration Due	
TSI Portacount	000229	4/16/2020	
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National Institute for Occupational Safety and Health Respirator Branch Test Data Sheet



Task Number:TN-22414Test:Sodium Chloride (NaCl) - N95

Reference No.: CFR 84.181

STP No.: 59

Manufacturer: Global Safety First Item Tested: N1901L/N1902L

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	5.6	5.00	0.259	0.313	PASS
2	85	14.8	5.00	0.393	0.393	PASS
3	85	15.2	5.00	0.262	0.262	PASS
4	85	11.5	5.00	0.217	0.217	PASS
5	85	14.0	5.00	0.342	0.342	PASS
6	85	9.9	5.00	0.339	0.549	PASS
7	85	12.5	5.00	0.322	0.322	PASS
8	85	10.3	5.00	0.159	0.161	PASS
9	85	8.0	5.00	0.120	0.120	PASS
10	85	10.9	5.00	0.194	0.194	PASS
11	85	8.9	5.00	0.322	0.322	PASS
12	85	10.8	5.00	0.389	0.389	PASS
13	85	11.1	5.00	0.348	0.348	PASS
14	85	14.7	5.00	0.284	0.284	PASS
15	85	13.5	5.00	0.341	0.341	PASS
16	85	13.7	5.00	0.299	0.299	PASS
17	85	11.3	5.00	0.255	0.255	PASS
18	85	7.6	5.00	0.091	0.091	PASS
19	85	11.5	5.00	0.224	0.224	PASS
20	85	12.4	5.00	0.282	0.282	PASS

Overall Result: PASS

Signature: Journ L. Men

Date: 10/23/2018

Task Number:TN-22414Test:Sodium Chloride (NaCl) - N95Manufacturer:Global Safety FirstItem Tested:N1901L/N1902L

Comments:

Samples 1-10: part number N1902L, tested on TSI 8130 machine 000333. Samples 11-20: part number N1901L, tested on TSI 8130 machine 000333. Only sample 1 was tested using N1900 housing due to the fixture breaking after the first sample.

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

Signature: Jours Lines

Date: <u>10/23/2018</u>