



NIOSH Reference: TN-21985

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 15, 2018

Mr. Rakesh Bhagat
Managing Director
Magnum Health & Safety Pvt. Ltd.
602 Mamta Heights
Devidas Cross Road, Borivali (West)
Mumbai 400103
India

Dear Mr. Bhagat:

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-2018, the Magnum Health & Safety Pvt. Ltd. model N95001 N95 filtering facepiece respirator, NIOSH-approval number TC-84A-6969, was selected for product audit under task number (TN)-21985. The samples tested, identified by batch number 19.04.18, were obtained from Magnum Health & Safety Pvt. 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,

A handwritten signature in blue ink that reads "Jeremy J. Brannen".

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



Form date 8/15

Date: 9/21/2018

NPPTL-APR (Air Purifying Respirator) Fee Invoice

Manufacturer	M/s. Magnum Health & Safety Pvt. Ltd.			
Task Number:	TN-21985			
Test Number¹	Tests Required	No. Tests Performed	Fee/Test	Total
0003 Exhalation Resistance	1	1	\$150.00	\$150.00
0007 Inhalation Resistance	1	1	\$150.00	\$150.00
0059 NaCl (Salt) Particulate Testing N95	1	1	\$1,200.00	\$1,200.00
Total Testing and Associated Fees				\$1,500.00
	Number of Approvals	Cost / Approval	Approval Fee	
NIOSH/NPPTL Admin Fee New Approval	0	\$100.00	\$0.00	
NIOSH/NPPTL Admin Fee Approval Modification	0	\$50.00	\$0.00	
New Site Qualification Fee, cost per new site	0	\$400.00	\$0.00	
Additional Applicable Costs: ²				\$0.00
Total Administration Fees				\$0.00
TOTAL ALL FEES				\$1,500.00

¹Multiple configurations may require multiple tests

* Test 0005* "Quantitative Fit Testing" may be requested at the discretion of the manufacturer.

² For new manufacturers, change this heading to "Initial Site Qualification Assessment" and the fees are \$2500 for domestic and \$7500 for foreign visits.

Remarks: TC-84A-6969 2018 Product Audit

Examiner Pat Wiltanger

Date: 9/21/2018

Team Leader Kim Gavel

Date: 9/24/2018

Branch Chief [Signature]

Date: 9/24/18



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

TEST REPORT

Task Number: 21985

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Prepared by: Nichole Suhon

Date: July 24, 2018

Tests Conducted by: Nichole Suhon

Respirator Tested: N95001

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. Inhalation Resistance Test	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 the above procedures.

Statement of Disclaimer

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

7/30/2018

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-21985

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Filter Type: Filter Only

Item Tested: N95001

Sample	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	Result
	Exhalation	Exhalation	
1	25	8.4	PASS
2	25	8.4	PASS
3	25	9.1	PASS

Overall Result: PASS

Comments:

Samples were tested on manometer 000037.

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

Signature:

Date: 7/16/2018

Engineering Technician

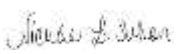
Task Number: TN-21985

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Signature: 

Date: 7/16/2018

Engineering Technician

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



Task Number: TN-21985

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Item Tested: N95001

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	Result
	Inhalation	Inhalation	
1	35	9.1	PASS
2	35	9.4	PASS
3	35	9.7	PASS

Overall Result: PASS

Signature:

Date: 7/16/2018

Engineering Technician

Task Number: TN-21985

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Item Tested: N95001

Comments:

Samples were tested on manometer 000286.

Was all equipment verified to be in calibration throughout all testing?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
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Signature: *Justin L. Wilson*

Date: 7/16/2018

Engineering Technician

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



Task Number: TN-21985

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Item Tested: N95001

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	11.4	5.00	0.203	0.203	PASS
2	85	11.3	5.00	0.125	0.125	PASS
3	85	11.1	5.00	0.231	0.257	PASS
4	85	10.9	5.00	0.241	0.241	PASS
5	85	11.7	5.00	0.195	0.195	PASS
6	85	12.1	5.00	0.111	0.111	PASS
7	85	11.8	5.00	0.142	0.142	PASS
8	85	12.0	5.00	0.123	0.123	PASS
9	85	10.9	5.00	0.195	0.195	PASS
10	85	11.0	5.00	0.227	0.227	PASS
11	85	13.1	5.00	2.010	3.760	PASS
12	85	11.2	5.00	0.220	0.220	PASS
13	85	11.7	5.00	0.181	0.181	PASS
14	85	10.9	5.00	0.121	0.121	PASS
15	85	11.2	5.00	0.185	0.185	PASS
16	85	11.1	5.00	0.117	0.117	PASS
17	85	11.3	5.00	0.120	0.121	PASS
18	85	10.9	5.00	0.225	0.225	PASS
19	85	11.6	5.00	0.141	0.141	PASS
20	85	11.5	5.00	0.105	0.105	PASS

Overall Result: PASS

Signature:

Date: 7/24/2018

Engineering Technician

Task Number: TN-21985

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: M/s. Magnum Health & Safety Pvt. Ltd.

Item Tested: N95001

Comments:

Sample 1 was tested on TSI 8130 machine 000334 using timer 000215. Samples 2-20 were tested on TSI 8130 machine 000333 using timer 000214.

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

Signature:



Date: 7/24/2018

Engineering Technician