

National Institute for Occupational Safety and Health
Respirator Branch
Certification, Evaluation and Testing Section

TEST REPORT

Task Number: TN-13806

Prepared by: Pat Wiltanger

Date: December 23, 2004

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710 N95 Filtering Facepiece

Background Information:

On October 15, 2004, Fido Masks Co., Ltd. requested approval of the new model F710 N95 filtering facepiece respirator without an exhalation valve.

Tests Assigned:

A. Exhalation Resistance Test	84.180
B. Inhalation Resistance Test	84.180
C. Sodium Chloride (NaCl) – N95	84.181

Overall Results:

The items tested passed laboratory testing.

Individual Test Results:

See accompanying test sheets.

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



Task Number: TN-13806

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710 N95 Filtering Facepiece

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Exhalation	Exhalation	
1	25	9.1	PASS
2	25	9.7	PASS
3	25	8.9	PASS

Overall Result: PASS

Signature:

Engineering Technician

Date: 12/23/2004

Task Number: TN-13806
Test: Exhalation Resistance Test
Manufacturer: Fido Masks Co., Ltd.
Item Tested: F710 N95 Filtering Facepiece

Reference No.: CFR 84.180
STP No.: 3

Comments:

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

Signature:



Engineering Technician

Date: 12/23/2004

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



Task Number: TN-13806

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710 N95 Filtering Facepiece

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	7.4	PASS
2	35	7.4	PASS
3	35	6.9	PASS

Overall Result: PASS

Signature:

Engineering Technician

Date: 12/23/2004

Task Number: TN-13806
Test: Inhalation Resistance Test
Manufacturer: Fido Masks Co., Ltd.
Item Tested: F710 N95 Filtering Facepiece

Reference No.: CFR 84.180
STP No.: 7

Comments:

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

Signature:



Engineering Technician

Date: 12/23/2004

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



Task Number: TN-13806

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710 N95 Filtering Facepiece

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	8.6	5.00	1.490	1.490	PASS
2	85	9.1	5.00	1.550	1.550	PASS
3	85	8.8	5.00	1.470	1.470	PASS
4	85	9.4	5.00	1.380	1.380	PASS
5	85	9.3	5.00	1.420	1.420	PASS
6	85	9.1	5.00	1.390	1.390	PASS
7	85	9.1	5.00	1.520	1.520	PASS
8	85	9.0	5.00	1.420	1.420	PASS
9	85	9.4	5.00	1.430	1.430	PASS
10	85	9.3	5.00	1.380	1.380	PASS
11	85	9.3	5.00	1.190	1.190	PASS
12	85	9.4	5.00	1.630	1.630	PASS
13	85	9.5	5.00	1.440	1.440	PASS
14	85	8.7	5.00	1.430	1.430	PASS
15	85	9.3	5.00	0.794	0.880	PASS
16	85	8.6	5.00	1.280	1.280	PASS
17	85	8.8	5.00	1.360	1.300	PASS
18	85	8.7	5.00	1.640	1.640	PASS
19	85	9.0	5.00	1.330	1.330	PASS
20	85	9.2	5.00	1.450	1.450	PASS

Overall Result: PASS

Signature:

Engineering Technician

Date: 12/21/2004

Task Number: TN-13806

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710 N95 Filtering Facepiece

Comments:

Each sample tested used the standard NIOSH test fixture.

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

Yes No

Signature:



Engineering Technician

Date: 12/21/2004