

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

TEST REPORT

Task Number: TN-13807

Prepared by: Pat Wiltanger

Date: December 23, 2004

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710C N95 Filtering Facepiece

Background Information:

On October 15, 2004, the Fido Masks Co., Ltd. requested approval of the model F710C N95 filtering facepiece respirator with a carbon layer for protection against nuisance level vapors. Only check tests were done on penetration because this mask is identical to the model F710 except for the addition of the nuisance carbon layer which increases the breathing resistance.

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.

Task Number: TN-13807

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710C N95 Filtering Facepiece

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-13807

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710C 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	7.1	PASS

Overall Result: PASS

Signature:

Engineering Technician

Date: 12/23/2004

Task Number: TN-13807

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710C N95 Filtering Facepiece

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-13807

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710C N95 Filtering Facepiece

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	9.9	5.00	0.776	0.848	PASS
2	85	9.6	5.00	0.847	0.933	PASS
3	85	9.6	5.00	1.140	1.150	PASS
4	85		5.00	0.000		
5	85		5.00	0.000		
6	85		5.00	0.000		
7	85		5.00	0.000		
8	85		5.00	0.000		
9	85		5.00	0.000		
10	85		5.00	0.000		
11	85		5.00	0.000		
12	85		5.00	0.000		
13	85		5.00	0.000		
14	85		5.00	0.000		
15	85		5.00	0.000		
16	85		5.00	0.000		
17	85		5.00	0.000		

Task Number: TN-13807

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Fido Masks Co., Ltd.

Item Tested: F710C N95 Filtering Facepiece

Comments:

Three samples were tested as a check test using the standard NIOSH test fixture as a check tests. These respirators are similar to the Model F710 tested under TN-13806.

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



Yes



No

Signature:



Engineering Technician

Date: 12/21/2004