

TEST REPORT

Task Number: TN-17561

Manufacturer: Champak Enterprise Co., Ltd.

Prepared by: Jeremy Brannen

Tests Conducted by: Jeremy Brannen

Date: February 20, 2011

Respirator Tested: F550

Background Information

In an application accepted January 5, 2011 Champak Enterprise requested an extension of approval to TC-84A-4394 to add a new model N95 filtering facepiece air purifying respirator with a head strap adjustment buckle under the model number F550C, reference assembly matrix CHPF550AMb.xls. In addition, this request included the addition of a private label version to Pasture Pharma Pte, Ltd of Singapore under the model number PastureF550C.

Tests Assigned

Test Description	STP Number	Reference
A. Exhalation Resistance Test	RCT-APR-STP-0003	84.180
B. Inhalation Resistance Test	TEB-APR-STP-0007	84.180
C. Sodium Chloride (NACL) N95 Test	TEB-APR-STP-0059	84.181

Overall Results

The items tested passed laboratory testing.

Individual Test Results

See attached test data sheets.

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



Task Number: TN-17561

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Champak Enterprise Co., Ltd.

Filter Type: Filter Only

Item Tested: F550

Sample	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	Result
	Exhalation	Exhalation	
1	25	15.7	PASS
2	25	15.7	PASS
3	25	15.7	PASS

Overall Result: PASS

Comments:

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



Yes



No

Signature:

Engineering Technician

Date: 2/19/2011

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



Task Number: TN-17561

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Champak Enterprise Co., Ltd.

Item Tested: F550

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	Result
	Inhalation	Inhalation	
1	35	17.3	PASS
2	35	17.3	PASS
3	35	17.3	PASS
Overall Result: PASS			

Signature:

Engineering Technician

Date: 2/19/2011

Task Number: TN-17561

Test: Inhalation Resistance Test

Manufacturer: Champak Enterprise Co., Ltd.

Item Tested: F550

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: 2/19/2011

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



Task Number: TN-17561

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Champak Enterprise Co., Ltd.

Item Tested: F550

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	13.2	5.00	1.650	1.760	PASS
2	85	18.6	5.00	0.189	0.189	PASS
3	85	18.6	5.00	0.242	0.242	PASS
4	85	18.7	5.00	0.211	0.211	PASS
5	85	15.1	5.00	1.970	1.980	PASS
6	85	19.3	5.00	0.205	0.205	PASS
7	85	18.1	5.00	0.343	0.343	PASS
8	85	18.7	5.00	0.263	0.263	PASS
9	85	14.3	5.00	0.905	0.905	PASS
10	85	18.0	5.00	0.373	0.373	PASS
11	85	17.7	5.00	0.148	0.148	PASS
12	85	14.5	5.00	0.248	0.253	PASS
13	85	18.9	5.00	0.131	0.131	PASS
14	85	18.5	5.00	0.140	0.140	PASS
15	85	18.9	5.00	0.393	0.403	PASS
16	85	19.9	5.00	0.271	0.271	PASS
17	85	18.8	5.00	0.314	0.315	PASS
18	85	18.1	5.00	0.268	0.275	PASS
19	85	19.1	5.00	0.215	0.215	PASS
20	85	19.6	5.00	0.231	0.258	PASS

Overall Result: PASS

Signature:

Engineering Technician

Date: 2/19/2011

Task Number: TN-17561
Test: Sodium Chloride (NaCl) - N95
Manufacturer: Champak Enterprise Co., Ltd.
Item Tested: F550

Reference No.: CFR 84.181
STP No.: 59

Comments:

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

☒ Yes ☐ No

Signature:



Engineering Technician

Date: 2/19/2011