



DEPARTMENT OF HEALTH & HUMAN SERVICES

NIOSH Reference: TN-19825
Mfr. Reference: GHCL-288

Centers for Disease Control
and Prevention (CDC)

National Institute for Occupational
Safety and Health (NIOSH)
National Personal Protective
Technology Laboratory (NPPTL)
P.O. Box 18070
Pittsburgh, PA 15236-0070
Phone: 412-386-4000
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December 15, 2014

Mr. Wanghua Xu
Management Representative
Guangzhou Harley Commodity Company Limited
Floor 1 to 4, #8, Team 17, Sandong Village
Xinhua Street, Huadu District
Guangzhou 510800
CHINA

Dear Mr. Xu:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request accepted September 17, 2014. This request was for approval of the model L-288 filtering facepiece air purifying respirator for protections against particulates at a N95 filter efficiency level, reference assembly matrix L-288 AMA.xls.

This request is granted. Approvals are granted for English language only on all documentation. It is the manufacturer's responsibility to correctly translate materials desired in languages other than English. Approval number TC-84A-7228 has been assigned. This respirator is approved for protection against particulates at a N95 filter efficiency level.

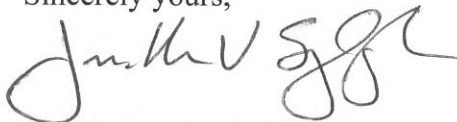
The CD enclosed with this letter contains the final respirator approval label. The abbreviated label has been accepted as submitted. The cautions and limitations which apply to this approval are on the approval label. Only those assemblies affected by this request, or where new approval numbers are assigned, apply to this approval action. Production approval labels cannot include information on unapproved configurations.

The approved assembly consists of the parts as listed on the approval label and the assembly matrix. Parts are to be marked with the numbers indicated on the approval label in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

This certificate of approval is not an endorsement of the respirator by NIOSH, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that this respirator has met the requirements of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84).

No changes may be made to any respirators and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before changes are made.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jonathan V. Szalajda". The signature is fluid and cursive, with the first name being the most prominent.

Jonathan V. Szalajda
Acting Chief, Technology Evaluation Branch
National Personal Protective Technology Laboratory

Enclosures



National Institute for Occupational Safety and Health
 National Personal Protective Technology Laboratory
 Technology Evaluation Branch
 Certification, Evaluation and Testing Section
 P.O. Box 18070
 Pittsburgh, PA 15236

TEST REPORT

Task Number: TN-19825

Manufacturer: Guangzhou Harley Commodity Company Limited

Prepared by: Nichole Petitta

Tests Conducted by: Nichole Petitta

Date: November 21, 2014

Respirator Tested: L-288 N95

Background Information

Respirator tested as per test request.

Tests Assigned

<u>Test Description</u>	<u>STP Number</u>
A. Exhalation Resistance Test	RCT-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 met the requirements of all the procedures listed above.

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



Task Number: TN-19825

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Guangzhou Harley Commodity Company Limited

Filter Type: Filter Only

Item Tested: L-288 N95

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Exhalation	Exhalation	
1	25	10.8	PASS
2	25	10.7	PASS
3	25	10.3	PASS

Overall Result: PASS

Comments:

Samples were tested on Brooks meter 000283.

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



Yes



No

Signature:

Nichole L. Petetta

Date: 11/4/2014

Engineering Technician

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



Task Number: TN-19825

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-288 N95

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	Result
	Inhalation	Inhalation	
1	35	11.4	PASS
2	35	11.7	PASS
3	35	10.9	PASS

Overall Result: PASS

Signature:

A handwritten signature in cursive script that reads "Nicholas L. Petetta".

Date: 11/4/2014

Engineering Technician

Task Number: TN-19825

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-288 N95

Comments:

Samples were tested on Brooks meter 000036.

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

Yes

No

Signature:

Nichole L. Petitta

Date: 11/4/2014

Engineering Technician

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



Task Number: TN-19825 **Reference No.:** CFR 84.181
Test: Sodium Chloride (NaCl) - N95 **STP No.:** 59
Manufacturer: Guangzhou Harley Commodity Company Limited
Item Tested: L-288 N95

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	12.2	5.00	0.379	0.388	PASS
2	85	12.2	5.00	0.559	0.560	PASS
3	85	11.6	5.00	0.781	0.765	PASS
4	85	12.0	5.00	0.650	0.650	PASS
5	85	11.7	5.00	0.665	0.665	PASS
6	85	12.3	5.00	0.520	0.520	PASS
7	85	10.9	5.00	0.598	0.598	PASS
8	85	12.5	5.00	1.390	1.490	PASS
9	85	11.3	5.00	0.794	0.794	PASS
10	85	13.2	5.00	0.654	0.654	PASS
11	85	13.3	5.00	0.610	0.610	PASS
12	85	11.4	5.00	0.629	0.629	PASS
13	85	12.1	5.00	0.640	0.640	PASS
14	85	12.0	5.00	0.755	0.755	PASS
15	85	11.7	5.00	0.899	0.934	PASS
16	85	12.2	5.00	0.616	0.616	PASS
17	85	12.0	5.00	0.684	0.684	PASS
18	85	12.7	5.00	0.501	0.501	PASS
19	85	11.0	5.00	0.319	0.326	PASS
20	85	11.4	5.00	0.669	0.669	PASS

Overall Result: PASS

Signature: *Nicholas L. Petitta*

Date: 11/21/2014

Engineering Technician

Task Number: TN-19825

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-288 N95

Comments:

Samples were tested on TSI 8130 machine 000192 with samples 1-3 using timer 000214.

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

Yes No

Signature:

Nichole L. Petitta

Date: 11/21/2014

Engineering Technician