



DEPARTMENT OF HEALTH & HUMAN SERVICES

NIOSH Reference: TN-19824  
Mfr. Reference: GHCL-188

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-188 N95 filtering facepiece air purifying respirator for protections against particulates at a N95 filter efficiency level, reference assembly matrix L-188 Ama.xls. In addition, the Guangzhou Harley Commodity Company QA Manual, version A1, effective date 2014-06-10, was submitted for review.

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-6973 has been assigned. This respirator is approved for protection against particulates at a N95 filter efficiency level.

NIOSH has also reviewed the quality manual presented and finds that this manual meets or exceeds the minimum technical requirements for quality assurance plans as outlined in Title 42, *Code of Federal Regulations* (CFR), Part 84.41(a) and, on the basis of this review, this quality manual is accepted.

The CD enclosed with this letter contains the final respirator label. The abbreviated label is 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.

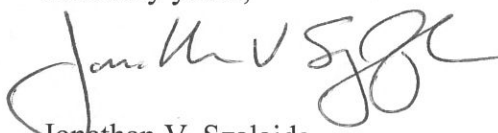
The approved assembly consists of the parts as listed on the approval label and the assembly matrix. Parts are to be marked with the numbers indicated on the approval label in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

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.

A copy of the quality manual will be retained by NIOSH and incorporated into our files. Any future changes to this accepted quality document must be submitted to NIOSH for a modification of this accepted quality system.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jonathan V. Szalajda". The signature is stylized with a large initial "J" and a prominent "S".

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-19824

**Manufacturer:** Guangzhou Harley Commodity Company Limited

**Prepared by:** Nichole Petitta

**Tests Conducted by:** Nichole Petitta

**Date:** November 13, 2014

**Respirator Tested:** L-188 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-19824

**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-188 N95

Sample	Maximum Allowable Resistance (MM of H <sub>2</sub> O)	Actual Resistance (MM of H <sub>2</sub> O)	Result
	Exhalation	Exhalation	
1	25	9.6	PASS
2	25	8.9	PASS
3	25	8.5	PASS

**Overall Result:** PASS

**Comments:**

Samples were tested on Brooks meter 0000283.

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-19824 **Reference No.:** CFR 84.180  
**Test:** Inhalation Resistance Test **STP No.:** 7  
**Manufacturer:** Guangzhou Harley Commodity Company Limited  
**Item Tested:** L-188 N95

**Filter Type:** Filter Only

Sample	Maximum Allowable Resistance	Actual Resistance	Result
	(MM of H <sub>2</sub> O)	(MM of H <sub>2</sub> O)	
	Inhalation	Inhalation	
1	35	10.5	PASS
2	35	10.5	PASS
3	35	9.7	PASS

**Overall Result:** PASS

**Signature:**

*Nichole L. Petitta*

**Date:** 11/4/2014

**Engineering Technician**

**Task Number:** TN-19824

**Reference No.:** CFR 84.180

**Test:** Inhalation Resistance Test

**STP No.:** 7

**Manufacturer:** Guangzhou Harley Commodity Company Limited

**Item Tested:** L-188 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-19824 Reference No.: CFR 84.181  
 Test: Sodium Chloride (NaCl) - N95 STP No.: 59  
 Manufacturer: Guangzhou Harley Commodity Company Limited  
 Item Tested: L-188 N95

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	9.6	5.00	0.517	0.517	PASS
2	85	10.6	5.00	0.694	0.694	PASS
3	85	9.8	5.00	0.718	0.718	PASS
4	85	10.3	5.00	0.651	0.654	PASS
5	85	9.3	5.00	0.682	0.682	PASS
6	85	9.7	5.00	0.755	0.755	PASS
7	85	10.7	5.00	0.621	0.621	PASS
8	85	9.9	5.00	0.744	0.744	PASS
9	85	9.8	5.00	0.535	0.535	PASS
10	85	10.8	5.00	1.500	1.580	PASS
11	85	10.5	5.00	0.688	0.688	PASS
12	85	9.7	5.00	0.692	0.692	PASS
13	85	10.6	5.00	0.757	0.757	PASS
14	85	10.8	5.00	0.671	0.671	PASS
15	85	10.8	5.00	0.981	0.981	PASS
16	85	10.3	5.00	0.678	0.678	PASS
17	85	9.8	5.00	0.661	0.661	PASS
18	85	10.3	5.00	0.680	0.680	PASS
19	85	9.6	5.00	1.660	1.660	PASS
20	85	9.8	5.00	0.769	0.769	PASS

**Overall Result: PASS**

Signature: *Nichole L. Petetta*

Date: 11/13/2014

Engineering Technician

**Task Number:** TN-19824

**Reference No.:** CFR 84.181

**Test:** Sodium Chloride (NaCl) - N95

**STP No.:** 59

**Manufacturer:** Guangzhou Harley Commodity Company Limited

**Item Tested:** L-188 N95

**Comments:**

All 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:** 11/13/2014

**Engineering Technician**