



DEPARTMENT OF HEALTH & HUMAN SERVICES

Centers for Disease Control
and Prevention (CDC)

NIOSH Reference: TN-24430
Mfr. Reference: GHC L-108

National Institute for Occupational
Safety and Health (NIOSH)
National Personal Protective
Technology Laboratory (NPPTL)
626 Cochran Mill Road
Pittsburgh, PA 15236-0070
Phone: 412-386-4000
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January 14, 2021

Mr. Wanghua Xu
Guangzhou Harley Commodity Company Limited
Floor 1 to 4 #274, Group 1 Team 17, Sandong Village
Huacheng Street
Huadu District, Guangzhou, 510800
CHINA

Dear Mr. Xu:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request accepted December 2, 2020. This request was for approval the model L-108 air-purifying filtering facepiece respirator for protections against particulates at a N95 filter efficiency level. The complete respirator configuration is detailed on assembly matrix file name *GHC L-108 AMa.xls*, revision A, dated: Dec 24, 2020.

This request is granted. Approvals are granted only for documentation written in the English language. It is the manufacturer's responsibility to correctly translate materials desired to be produced in languages other than English. Approval number TC-84A-9283 has been assigned. This respirator is approved for protection against particulates at N95 filter efficiency level.

The approval label is included as an attachment to this letter. The abbreviated label has been accepted as submitted. The cautions and limitations are listed 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).

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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,

Jeffrey A.
Peterson -S

Digitally signed by
Jeffrey A. Peterson -S
Date: 2021.01.14
08:20:13 -05'00'

Jeffrey Peterson
Chief, Conformity Verification and
Standards Development Branch

Enclosures

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



Task Number: TN-24430

Reference No.: CFR 84.172

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Guangzhou Harley Commodity Company Limited

Filter Type: Filter Only

Item Tested: L-108

Sample	Maximum Allowable Resistance	Actual Resistance	Result
	(MM of H ₂ O) Exhalation	(MM of H ₂ O) Exhalation	
1	25	10.2	PASS
2	25	9.9	PASS
3	25	11.2	PASS

Overall Result: PASS

Comments:

Samples were tested on manometer 000505.

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

Signature:

Date: 1/8/2021

Engineering Technician


Task Number: TN-24430

Reference No.: CFR 84.172

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Guangzhou Harley Commodity Company Limited

Signature: 

Date: 1/8/2021

Engineering Technician

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



Task Number: TN-24430

Reference No.: CFR 84.172

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-108

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	11.7	PASS
2	35	10.7	PASS
3	35	16.3	PASS

Overall Result: PASS

Signature: 

Date: 1/8/2021

Engineering Technician

Task Number: TN-24430

Reference No.: CFR 84.172

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-108

Comments:

Samples were tested on manometer 000034.

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

Signature: 

Date: 1/8/2021

Engineering Technician

National Institute for Occupational Safety and Health
Evaluation and Testing Branch
Test Data Sheet



Task Number: TN-24430

Reference No.: CFR 84.174

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-108

Filter	Flow Rate lpm	Initial Filter Resistance mm water gauge	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	13.1	5.00	0.503	0.503	PASS
2	85	11.7	5.00	0.424	0.424	PASS
3	85	13.2	5.00	0.399	0.399	PASS
4	85	12.2	5.00	0.415	0.415	PASS
5	85	12.3	5.00	0.400	0.400	PASS
6	85	11.6	5.00	0.451	0.451	PASS
7	85	12.0	5.00	0.533	0.533	PASS
8	85	11.9	5.00	0.355	0.355	PASS
9	85	11.0	5.00	0.384	0.404	PASS
10	85	11.2	5.00	0.328	0.330	PASS
11	85	10.8	5.00	0.413	0.460	PASS
12	85	10.8	5.00	0.332	0.386	PASS
13	85	11.6	5.00	0.313	0.313	PASS
14	85	12.6	5.00	0.339	0.339	PASS
15	85	12.1	5.00	0.442	0.442	PASS
16	85	13.2	5.00	0.359	0.359	PASS
17	85	13.5	5.00	0.385	0.385	PASS
18	85	11.9	5.00	0.373	0.373	PASS
19	85	11.7	5.00	0.399	0.399	PASS
20	85	12.1	5.00	0.269	0.307	PASS

Overall Result: PASS

Signature: 

Date: 1/6/2021

Task Number: TN-24430

Reference No.: CFR 84.174

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Guangzhou Harley Commodity Company Limited

Item Tested: L-108

Comments:

Samples 1-12 and 20 were tested on TSI 8130A machine 000388. Samples 13-19 were tested on TSK 8130 machine 000333. Flow rate is measured in liters/min. Resistance is measured in mm H₂O.

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

Yes

No

Signature:



Date: 1/6/2021

Engineering Technician

Form revision: 1.1 2 October 2019