

ARMBRUST TEST REPORT

SCOPE OF WORK

Performance Testing of Non-Powered Air-Purifying
Particulate Respirators to
42 CFR 84 Subpart K

REPORT NUMBER

104551668CRT-001

ISSUE DATE

January 6, 2021

PAGES

6

DOCUMENT CONTROL NUMBER

GFT-OP-10i (28-Nov-2018)

© 2021 INTERTEK



TEST REPORT

Issued January 6, 2021

Intertek Report No. 104551668CRT-001

Intertek Project No. G104551668

CLIENT

ARMBRUST
Landon Arles
TX 78660
USA

TEST STANDARD

42 CFR 82 - Approval of Respiratory Protective Devices
Subpart K - Non-Powered Air-Purifying Particulate Respirators

AUTHORIZATION

Quote Number: Qu-01128562-1

SAMPLES IDENTIFIED BY CLIENT AS

Product Type: Non-Powered Respirator
Brand Name: Armbrust
Model Numbers: White N95 Mask

SAMPLE INFORMATION

Date(s) Samples Received: December 23, 2020
Condition of Samples: Production Run
Date(s) of Testing: January 4, 2020 Through January 6, 2020

TEST INFORMATION

TEB-APR-STP-0007 Inhalation Resistance Test	Test data attached
TEB-APR-STP-0003 Exhalation Resistance Test	Test data attached
TEB-APR-STP-0004 Exhalation Valve Leakage Test	Not tested under this project
TEB-APR-STP-0059 N95 Series	Test data attached
TEB-APR-STP-0059 N95 Series Modified	Not tested under this project

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT

Issued January 6, 2021

Intertek Report No. 104551668CRT-001

Intertek Project No. G104551668

SECTION 1


CONCLUSION


This test report represents the testing covered by proposal number Qu-01128562-1.

The observations and test results in this report are relevant only to the sample tested. Intertek makes no representations or warranties, express or implied, regarding units that were not tested including, but not limited to, units that may be part of the same lot.

If there are any questions regarding the results contained in this report, or any other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note this Test Report does not represent authorization for the use of any Intertek certification marks.

Project Owner: Steven Morey
Title: Technician
Signature: 
Date: January 6, 2020

Project Reviewer: Jason Allen
Title: Technical Advisor
Signature: 
Date: January 6, 2020

REPORT REVISIONS

Date / Project #	Project Handler/ Reviewer	Description of Change
		None

TEST REPORT

SECTION 2

42 CFR 84.180 AIRFLOW RESISTANCE TEST DATA
INHALATION RESISTANCE TEST; TEB-APR-STP-007

Item Tested: ArmBrust
Filter Type: White N95 Mask

Specimen	Max. Allowable Resistance (mm of H ₂ O)	Actual Inhalation Resistance (mm of H ₂ O)	Result
1	35	17.5	Pass
2	35	16.9	Pass
3	35	17.1	Pass

Overall Result: Pass

EXHALATION RESISTANCE TEST; TEB-APR-STP-003

Item Tested: ArmBrust
Filter Type: White N95 Mask

Specimen	Max. Allowable Resistance (mm of H ₂ O)	Actual Exhalation Resistance (mm of H ₂ O)	Result
1	25	15.3	Pass
2	25	14.4	Pass
3	25	13.7	Pass

Overall Result: Pass

Date of Testing	1/5/2020
-----------------	----------

TEST EQUIPMENT INFORMATION

Description	Control Number	Calibration Date	Calibration Due
Flowmeter	0758	12/7/2020	12/7/2021
Monometer	308-H383	8/13/2020	8/13/2021

TEST REPORT

SECTION 3

42 CFR 84.181 PARTICULATE FILTER EFFICIENCY TEST DATA

TEB-APR-STP-0059 N95 Series

Specimens conditioned in accordance with Section 5.2 of Test Procedure

Item Tested: ArmBrust
White N95 Mask

Aerosol Type: Sodium Chloride (NaCl)

Specimen	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Max. Allowable Leakage (%)	Initial Leakage (%)	Max. Leakage (%)	Filtration Efficiency (%)	Result
1	85.1	18.7	5.00	0.20	0.25	99.75	Pass
2	85.8	21.3	5.00	0.20	0.21	99.79	Pass
3	85.9	18.9	5.00	0.21	0.21	99.79	Pass
4	85.9	21.3	5.00	0.15	0.15	99.85	Pass
5	85.9	18.6	5.00	1.04	1.04	98.96	Pass
6	85.9	19.5	5.00	2.68	2.68	97.32	Pass
7	85.8	24.0	5.00	0.06	0.06	99.94	Pass
8	85.9	18.6	5.00	0.25	0.25	99.75	Pass
9	85.9	19.6	5.00	0.60	0.60	99.40	Pass
10	85.9	19.5	5.00	0.24	0.25	99.75	Pass
11	85.9	19.4	5.00	0.09	0.09	99.91	Pass
12	85.9	20.1	5.00	0.11	0.11	99.89	Pass
13	85.9	19.2	5.00	0.11	0.11	99.89	Pass
14	85.9	17.9	5.00	0.13	0.13	99.87	Pass
15	85.9	18.8	5.00	0.13	0.13	99.87	Pass
16	85.9	21.8	5.00	0.14	0.15	99.85	Pass
17	85.9	19.4	5.00	0.13	0.13	99.87	Pass
18	85.9	18.6	5.00	0.16	0.16	99.84	Pass
19	85.9	19.6	5.00	0.11	0.11	99.89	Pass
20	85.9	17.9	5.00	0.93	0.93	99.07	Pass

Overall Result: Pass

Date of Testing 1/6/2020

TEST REPORT

TEST EQUIPMENT INFORMATION

Description	Control Number	Calibration Date	Calibration Due
Conditioning Monitor	308-H323	8/25/2020	8/25/2021
Timer	308-H309	8/13/2020	8/13/2021
Scale	308-S940	8/24/2020	8/24/2021
Automated Filter Tester	308-H387	VBU	VBU

Photographs

Mask Under Test



Mask Mounting



Test Set-up

