

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



**Task Number:** TN-24166

**Reference No.:** CFR 84.172

**Test:** Inhalation Resistance Test

**STP No.:** 7

**Manufacturer:** Protective Health Gear, Inc.

**Item Tested:** 5160

**Filter Type:** Filter Only

| Sample | Maximum Allowable Resistance<br>(MM of H2O) | Actual Resistance<br>(MM of H2O) | Result |
|--------|---|----------------------------------|--------|
|        | Inhalation                                  | Inhalation                       |        |
| 1      | 35  | 12.2                             | PASS   |
| 2      | 35  | 14.0                             | PASS   |
| 3      | 35  | 14.2                             | PASS   |

**Overall Result:** PASS

**Signature:** 

**Date:** 8/21/2020

**Engineering Technician**

**Task Number:** TN-24166  
**Test:** Inhalation Resistance Test  
**Manufacturer:** Protective Health Gear, Inc.  
**Item Tested:** 5160

**Reference No.:** CFR 84.172  
**STP No.:** 7

**Comments:**

Samples were tested on manometer 000034.

|   |                                      |                          |
|---|--------------------------------------|--------------------------|
| Was all equipment verified to be in calibration throughout all testing? | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
|---|--------------------------------------|--------------------------|

**Signature:** 

**Date:** 8/21/2020

**Engineering Technician**

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



**Task Number:** TN-24166

**Reference No.:** CFR 84.174

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

**STP No.:** 59

**Manufacturer:** Protective Health Gear, Inc.

**Item Tested:** 5160

| Filter | Flow Rate<br>lpm | Initial Filter<br>Resistance<br>mm water gauge | Maximum<br>Allowable<br>Percent Leakage | Initial<br>Percent<br>Leakage | Maximum<br>Percent<br>Leakage | Result |
|--------|------------------|--|---|-------------------------------|-------------------------------|--------|
| 1      | 85               | 14.8   | 5.00                                    | 0.819                         | 0.819                         | PASS   |
| 2      | 85               | 14.3   | 5.00                                    | 1.240                         | 1.240                         | PASS   |
| 3      | 85               | 14.1   | 5.00                                    | 1.220                         | 1.220                         | PASS   |
| 4      | 85               | 14.1   | 5.00                                    | 0.879                         | 0.879                         | PASS   |
| 5      | 85               | 15.4   | 5.00                                    | 0.869                         | 0.869                         | PASS   |
| 6      | 85               | 15.6   | 5.00                                    | 0.970                         | 0.970                         | PASS   |
| 7      | 85               | 15.1   | 5.00                                    | 0.844                         | 0.844                         | PASS   |
| 8      | 85               | 15.0   | 5.00                                    | 1.100                         | 1.100                         | PASS   |
| 9      | 85               | 15.2   | 5.00                                    | 0.768                         | 0.768                         | PASS   |
| 10     | 85               | 15.6   | 5.00                                    | 1.100                         | 1.100                         | PASS   |
| 11     | 85               | 15.8   | 5.00                                    | 0.831                         | 0.831                         | PASS   |
| 12     | 85               | 14.9   | 5.00                                    | 1.050                         | 1.050                         | PASS   |
| 13     | 85               | 14.1   | 5.00                                    | 1.150                         | 1.150                         | PASS   |
| 14     | 85               | 15.0   | 5.00                                    | 0.931                         | 0.931                         | PASS   |
| 15     | 85               | 16.1   | 5.00                                    | 0.852                         | 0.852                         | PASS   |
| 16     | 85               | 13.7   | 5.00                                    | 0.944                         | 0.944                         | PASS   |
| 17     | 85               | 16.5   | 5.00                                    | 1.140                         | 1.140                         | PASS   |
| 18     | 85               | 14.7   | 5.00                                    | 1.770                         | 1.770                         | PASS   |
| 19     | 85               | 15.0   | 5.00                                    | 0.915                         | 0.915                         | PASS   |
| 20     | 85               | 15.4   | 5.00                                    | 1.120                         | 1.120                         | PASS   |

**Overall Result: PASS**

**Signature:** 

**Date:** 8/21/2020

**Task Number:** TN-24166

**Reference No.:** CFR 84.174

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

**STP No.:** 59

**Manufacturer:** Protective Health Gear, Inc.


**Item Tested:** 5160

**Comments:**

Samples 1-10 were tested on TSI 8130 machine 000333. Samples 11-10 were tested on TSI 8130 machine 000334. Flow rate is measured in liters/min. Resistance is measured in mm H<sub>2</sub>O.

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

**Signature:**



**Date:** 8/21/2020