

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



Task Number: TN-21651

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Makrite Industries, Inc.

Filter Type: Filter Only

Item Tested: 9600V-N95

Sample	Maximum Allowable Resistance (MM of H2O)	Actual Resistance (MM of H2O)	Result
	Exhalation	Exhalation	
1	25	5.1	PASS
2	25	4.9	PASS
3	25	5.2	PASS

Overall Result: PASS

Comments:

Samples were tested on manometer 000282.

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



Yes



No

Signature:

Date: 8/15/2017

Engineering Technician

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



Task Number: TN-21651

Reference No.: CFR 84.182

Test: Exhalation Valve Leakage Test

STP No.: 4

Manufacturer: Makrite Industries, Inc.

Item Tested: 9600V-N95

LEAKAGE						
Sample	Trial #1 (mL/min.)	Trial #2 (mL/min.)	Trial #3 (mL/min.)	Average (mL/min.)	Maximum Allowable (mL/min.)	Result
Valve 1	5.83	5.80	5.80	5.81	30.00	PASS
Valve 2	6.04	6.00	5.95	6.00	30.00	PASS
Valve 3	4.44	4.50	4.52	4.49	30.00	PASS
Overall Result: PASS						

Signature:

Engineering Technician

Date: 8/21/2017

Task Number: TN-21651

Reference No.: CFR 84.182

Test: Exhalation Valve Leakage Test

STP No.: 4

Manufacturer: Makrite Industries, Inc.

Item Tested: 9600V-N95

Comments:

Samples were tested on Gilibrator 000041.

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

Yes

No

Signature:

Nichole L. Petitta

Date: 8/21/2017

Engineering Technician

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



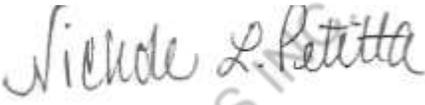
Task Number: TN-21651
Test: Inhalation Resistance Test
Manufacturer: Makrite Industries, Inc.
Item Tested: 9600V-N95

Reference No.: CFR 84.180
STP No.: 7

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	10.1	PASS
2	35	9.4	PASS
3	35	11.4	PASS

Overall Result: PASS

Signature: 
Engineering Technician

Date: 8/15/2017

Task Number: TN-21651
Test: Inhalation Resistance Test
Manufacturer: Makrite Industries, Inc.
Item Tested: 9600V-N95

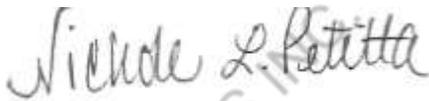
Reference No.: CFR 84.180
STP No.: 7

Comments:

Samples were tested on manometer 000286.

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

Signature:



Date: 8/15/2017

Engineering Technician

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



Task Number: TN-21651

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Makrite Industries, Inc.

Item Tested: 9600V-N95

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	10.7	5.00	0.485	0.605	PASS
2	85	12.4	5.00	0.773	0.773	PASS
3	85	10.7	5.00	0.536	0.652	PASS
4	85	10.87	5.00	0.802	0.969	PASS
5	85	11.0	5.00	0.494	0.624	PASS
6	85	10.4	5.00	0.794	0.969	PASS
7	85	10.6	5.00	0.480	0.619	PASS
8	85	10.5	5.00	0.586	0.699	PASS
9	85	10.5	5.00	0.449	0.567	PASS
10	85	10.4	5.00	0.533	0.677	PASS
11	85	10.5	5.00	0.664	0.877	PASS
12	85	10.1	5.00	0.610	0.766	PASS
13	85	10.6	5.00	0.572	0.667	PASS
14	85	10.3	5.00	0.407	0.559	PASS
15	85	11.5	5.00	0.578	0.637	PASS
16	85	11.2	5.00	0.456	0.542	PASS
17	85	10.5	5.00	0.409	0.534	PASS
18	85	10.5	5.00	0.527	0.708	PASS
19	85	11.0	5.00	0.541	0.657	PASS
20	85	11.0	5.00	0.313	0.482	PASS

Overall Result: PASS

Signature:

Nichole L. Petitta

Date: 8/22/2017

Engineering Technician

Task Number: TN-21651

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Makrite Industries, Inc.

Item Tested: 9600V-N95

Comments:

Samples 1-5 were tested on TSI 8130 machine 000332 using timer 000213. Samples 6-13 were tested on TSI 8130 machine 000333 using timer 000214. Samples 14-20 were tested on TSI 8130 machine 000334 using timer 000215.

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

Yes No

Signature:

Nichole L. Petitta

Date: 8/22/2017

Engineering Technician