

Company Registration:  
1968/008611/30 VAT  
Registration: 4370115786

## TEST REPORT

**DATE OF REPORT** : 10 May 2021  
**DATE TEST STARTED/ COMPLETED** : 10 May 2021/10 May 2021  
**DESCRIPTION OF SAMPLES** : **Masks**  
**REPORT NO.** : F6328  
**QUOTATION NO.** : COM 1702  
**CUSTOMER ORDER NO.** : SNC01  
**CONTACT PERSON** : Martin van der Merwe  
**CONTACT DETAILS** : 012 665 9431  
**CUSTOMER** : Stellenbosch Nanofibre Company  
**CUSTOMER CONTACT PERSON** : Megan Coates  
**CUSTOMER ADDRESS** : 7 Marconi Road, Montague Gardens,  
Cape Town, 7441  
**CUSTOMER TELEPHONE NO** : 021 035 0446  
**CUSTOMER E-MAIL** : [megan@sncfibre.com](mailto:megan@sncfibre.com)  
[priya@sncfibre.com](mailto:priya@sncfibre.com)  
**DESCRIPTION OF TESTS REQUIRED** : Evaluation according to SANS 1866:2008  
**CONDITION OF SAMPLES** : Good conditions  
**SAMPLES RECEIVED DATE** : 06 May 2021

## DETAIL PRODUCT DESCRIPTION

Product	40 x Masks (Picture 1)
Supplier	Stellenbosch Nanofibre Company

## TEST CONDITION SUMMARY

Samples were tested according to SANS 1866:2008

Par	Item	Test par	Evaluation
4.1	Penetration and differential pressure	5.1	Secure sample on a disc with 76 mm opening. Measure sodium chloride penetration and differential pressure at 30 l /min.

## PRODUCT PICTURES



Picture 1: Masks

## SPECIFICATIONS TABLE

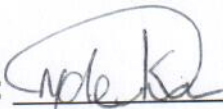
Standard	SPECIFICATIONS	
	Breathability	Particle Penetration
<b>SANS 1866:2008</b>		
Type 2 mask	<357 Pa	≤4%
Type 5 mask	<35 Pa	≤26%
<b>SANS 1866-1:2018</b>		
Level 1	< 4.0 mmH <sub>2</sub> O/cm <sup>2</sup>	≤5%
Level 2	< 5.0 mmH <sub>2</sub> O/cm <sup>2</sup>	≤2%
Level 3	< 5.0 mmH <sub>2</sub> O/cm <sup>2</sup>	≤2%

## TEST RESULTS

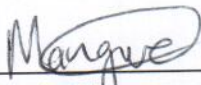
Note: Results highlighted in blue were obtained from testing complete masks. Other results were for filters only.

Sample	Sodium chloride Penetration (%)	Breathability @ 30 L/min (mmH <sub>2</sub> O/cm <sup>2</sup> )
	Maximum Specification: See Specification Table	Maximum Specification: See Specification Table
NEV02/FP-01	0.97	1.7
NEV02/FP-02	0.16	2.4
NEV02/FP-03	0.23	2.4
NEV02/FP-04	0.73	1.9
NEV02/FP-05	0.12	2.6
NEV02/FP-06	0.96	1.2
NEV02/FP-07	0.39	2.4
NEV02/FP-08	0.98	1.3
NEV02/FP-09	0.10	2.6
NEV02/FP-10	0.11	1.6
NEV02/FP-11	0.24	1.7
NEV02/FP-12	0.07	2.5
NEV02/FP-13	0.37	2.3
NEV02/FP-14	0.23	2.5
NEV02/FP-15	0.19	2.4
NEV02/FP-16	0.29	2.6
NEV02/FP-17	0.50	2.3
NEV02/FP-18	0.12	2.6
NEV02/FP-19	0.11	2.6
NEV02/FP-20	0.08	2.5
NEV02/FP-21	0.13	3.1
NEV02/FP-22	0.21	2.5
NEV02/FP-23	0.21	3.0
NEV02/FP-24	0.19	2.5
NEV02/FP-25	0.54	1.6
NEV02/FP-26	0.19	2.6
NEV02/FP-27	0.15	2.6
NEV02/FP-28	0.49	1.6
NEV02/FP-29	0.19	2.7
NEV02/FP-30	0.52	2.6
NEV02/FP-31	0.48	2.8
NEV02/FP-32	0.29	2.5
NEV02/FP-33	0.69	1.7
NEV02/FP-34	0.56	2.7
NEV02/FP-35	0.16	2.4

Sample	Sodium chloride Penetration (%)	Breathability @ 30 L/min (mmH <sub>2</sub> O/cm <sup>2</sup> )
	Maximum Specification: See Specification Table	Maximum Specification: See Specification Table
NEV02/FP-36	0.46	2.5
NEV02/FP-37	0.57	2.6
NEV02/FP-38	0.75	2.6
NEV02/FP-39	0.31	2.8
NEV02/FP-40	0.40	1.7

WORK PERFORMED BY:   
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10/05/2021  
 Date

WORK APPROVED BY:   
 Nkele Mangwane  
 (Scientist)

10/05/2021  
 Date

This report relates to the specific sample(s) tested as identified herein, it does not imply Protechnik approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested.

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