

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

TEST REPORT

DATE OF REPORT : 12 August 2020
DESCRIPTION OF SAMPLES : **Sheets**
REPORT NO. : F5788
QUOTATION NO. : COM 1255
CUSTOMER ORDER NO. : Paid
CONTACT PERSON : Martin van der Merwe
CONTACT DETAILS : 012 665 9431
CUSTOMER : Stellenbosch Nanofibre Company
CUSTOMER CONTACT PERSON : Megan Coates/ Dumisani Shabangu
CUSTOMER ADDRESS : Cape Town
CUSTOMER TELEPHONE NO : 021 035 0446
CUSTOMER E-MAIL : megan@sncfibre.com
dumisani@sncfibre.com
DESCRIPTION OF TESTS REQUIRED : Evaluation according to SANS 1866:2008
CONDITION OF SAMPLES : Good conditions
SAMPLES RECEIVED DATE : 03 August 2020

DETAIL PRODUCT DESCRIPTION

Product	13 x multi-layer sheets (Picture 1)
Supplier	Stellenbosch Nanofibre Company

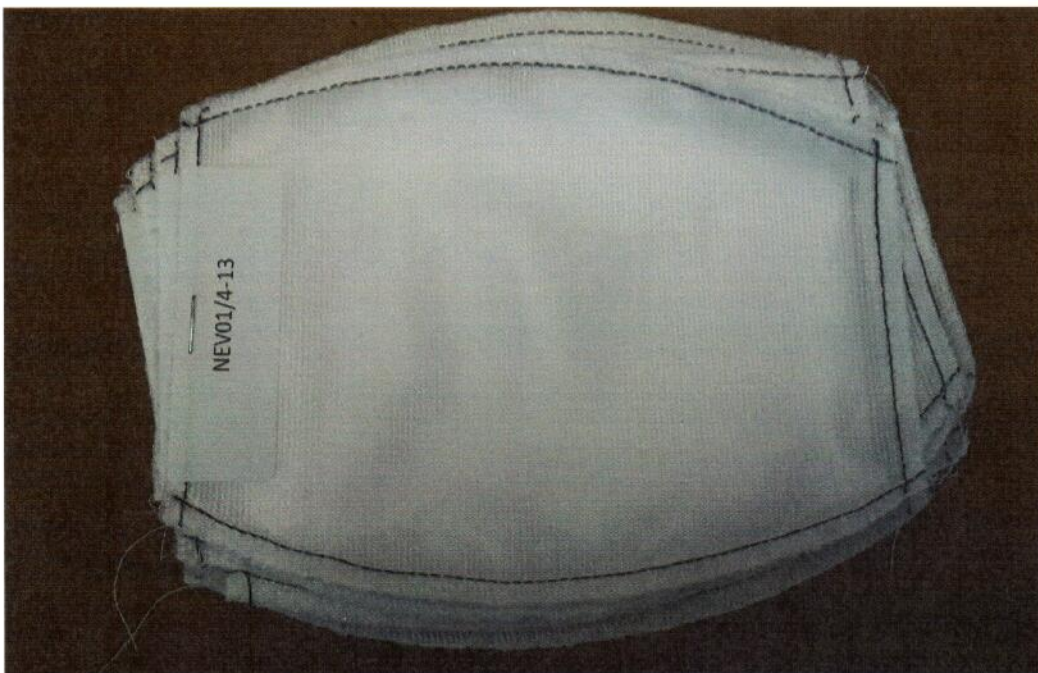
TEST CONDITION SUMMARY

Samples were tested according to SANS 1866:2008

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: multilayer sheets


SPECIFICATIONS TABLE

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

TEST RESULTS

Sample	Sodium chloride Penetration (%)	Breathability @ 30 L/min (mmH ₂ O)	Breathability @ 30 L/min (mmH ₂ O/cm ²)
	Maximum Specification: See Specification Table		Maximum Specification: See Specification Table
NEV01/4-1	0.5	52	1.2
NEV01/4-2	0.4	53	1.2
NEV01/4-3	0.4	49	1.1
NEV01/4-4	0.3	54	1.2
NEV01/4-5	0.4	55	1.2
NEV01/4-6	2.0	27	0.6
NEV01/4-7	0.8	33	0.7
NEV01/4-8	2.8	30	0.7
NEV01/4-9	1.3	30	0.7
NEV01/4-10	2.2	25	0.6
NEV01/4-11	1.4	28	0.6
NEV01/4-12	1.9	29	0.6
NEV01/4-13	0.9	34	0.8

WORK PERFORMED BY:


 Kgobudi Chepape
 (Junior Scientist)

12/08/2020
 Date

WORK APPROVED BY:


 Martin van der Merwe
 (Chief Scientist)

12/8/2020
 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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