

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

TEST REPORT

DATE OF REPORT : 31 August 2021
DATE TEST STARTED/ COMPLETED : 16 August 2021/16 August 2021
DESCRIPTION OF SAMPLES : **Sheets**
REPORT NO. : F6469A
QUOTATION NO. : COM 1824
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
priya@sncfibre.com
DESCRIPTION OF TESTS REQUIRED : Evaluation according to SANS 1866:2008
CONDITION OF SAMPLES : Good conditions
SAMPLES RECEIVED DATE : 12 August 2021

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DETAIL PRODUCT DESCRIPTION

| | |
|----------|--------------------------------|
| Product | 13 x Sheet (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 72 mm opening. Measure sodium chloride penetration and differential pressure at 30 l /min. |

PRODUCT PICTURES



Picture 1: 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/cm ²) |
|-------------------|---|--|
| | Maximum Specification: See Specification Table | Maximum Specification: See Specification Table |
| NEV01/20210223-1 | 2.0 | 0.6 |
| NEV01/20210223-2 | 0.9 | 0.8 |
| NEV01/20210223-3 | 1.4 | 0.7 |
| NEV01/20210223-4 | 1.3 | 0.7 |
| NEV01/20210223-5 | 1.1 | 0.7 |
| NEV01/20210223-6 | 1.2 | 0.7 |
| NEV01/20210223-7 | 1.6 | 0.6 |
| NEV01/20210223-8 | 1.0 | 0.8 |
| NEV01/20210223-9 | 1.3 | 0.7 |
| NEV01/20210223-10 | 0.9 | 0.8 |
| NEV01/20210223-11 | 0.8 | 0.7 |
| NEV01/20210223-12 | 0.7 | 0.7 |
| NEV01/20210223-13 | 0.8 | 0.8 |

WORK PERFORMED BY: Z. Lyata
Zimkhitha Langabi
(Junior Scientist)

31/08/2021
Date

WORK APPROVED BY: Mangwane
Nkele Mangwane
(Scientist)

31/08/2021
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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