



**Smart
Innovation**[®]
Nanoscale empowerment

ISO 18184 ANTI-VIRAL PERFORMANCE

Determination of antiviral activity of textile products

PRODUCT ID: Si Bac-Pure 101-TF



Bac-Pure[®]
Antimicrobial
by Smart Innovation[®]

Smart Innovation, Lda. confirms that the *Si Bac-Pure 101-TF* functional finish has been tested according to ISO 18184:2019 standard to confirm the antiviral activity on textile products. The testing has been made by the internationally certified laboratory Labfit (HPRD: Health Products Research and Development Lda - <https://www.labfit.pt/hprd/en#home>) using the MVA – Modified Vaccinia Virus Ankara. This virus is considered the model for coronavirus as it is the enveloped virus included in the described ISO standard.

Description of treated textile sample submitted in the test:

- Treatment: Si Bac-Pure 101-TF + Smart Fix
- Washes: 100 cycles 30 min @ 40°C + 2G/L Detergent
- Substrate: Polyester + Cotton

The testing concluded “*Excelent*” antiviral activity with a confirmed virus reduction of **99.98%**, after 100 washing cycles.

October 14th 2020