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## Report of antiviral activity results for shoe soles manufactured by the company ROPAR, S.A.

Several soles were analyzed using the test methods described in the CLSI Antimicrobial Susceptibility Testing (AST), ISO 22196 and ISO 21702:2019 standards.

To carry out the tests, the viral solution was used as a positive control without sole (Bacteriophage Phi6, structurally like SARS-CoV-2 virus, is an appropriate surrogate virus for research and evaluation of anti-SARS-CoV-2 strategies); and as a negative control, a replica of the sole with SM-buffer (solvent where the viral solution is prepared). This control was used to verify that the soles were not contaminated.

The results showed that comparing the soles with the positive control, the soles showed antiviral activity, with an inhibition percentage greater than 99%. The tests showed that there was reproducibility between tests and samples.

Table 2. Results of shoe soles with antiviral properties.

Samples	Phi6			
	Tests	Concentration (PFUs/ml)	Standard desviation	Reduction relative to the positive control (%)
Phi6	1 <sup>st</sup> test	2,20E+07	5,57E+06	0,00
	2 <sup>nd</sup> test	1,70E+07	7,55E+06	0,00
Sole 1 ROPAR, S.A.	1 <sup>st</sup> test	2,63E+04	5,51E+03	99,88
	2 <sup>nd</sup> test	2,13E+04	8,08E+03	99,87

Porto, October 25, 2021

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