



Microbe Investigations AG

LS20-00670

Report date: April 29, 2020

Customer: HISPANO TEX S.A.U.

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Microbe Investigations AG (MIS) is a spin-off company of ETH Zürich

MIS provides microbiological testing services primarily for industrial customers assessing the characteristics of developmental products. MIS also provides a depth of expertise in fundamental aspects of microbiology gained throughout many years of world-leading research. Target customers are primarily companies working with antimicrobial treatments on textiles, plastics, and coatings.

More information: www.microbe-investigations.com



Test report overview

General Info	Name	Contact	HeiQ KAM
Customer	HISPANO TEX S.A.U.	V. Melul	S. Taruselli
Distributor	-	-	-
Brand owner	-	-	-
Brand label	-	Application at	Client
Reason for testing	QA for client	Application by	Padding (dry-in-wet)
HeiQ Effects	-	Scale	Pilot plant

Test methods carried out in this report

Effect / Property	Testing standard	Test parameter
Antibacterial test (hydrophilic fabrics)	ISO 20743:2013	Bacterium: Staphylococcus aureus (ATCC 6538P)

Test results: Excellent - Perfect application // no adjustment on recipe or application needed

Test summary / comments:

Treated fabric shows very good antimicrobial activity.

Samples, finishing process and textile information

Sample number	Sample description
1	FABRICS; Viroblock NPJ03

Recipe	Sample number
Product	1
Viroblock NPJ03 [---]	--
Parameters	1
Pick-up [%]	90
Drying Temp. [°C]	-
Drying Time [s]	-
Curing Air Temp. [°C]	-
Curing Time [s]	-
Substrates	1
Polyester [%]	
Cotton [%]	
Textile information	1
Weight [g/m2]	-
Construction	WOV
Structure	-

Legend:

Construction process	Textile structure
WOV = Woven	

Antimicrobial Testing

Recipe	Sample number
Product	1
Viroblock NPJ03 [---]	---
ISO 6330 parameters	1-1
Tabellarischer Bericht	0
Drying conditions	

ISO 20743: Staphylococcus aureus (ATCC 6538P)

Control	Intial
Log cfu	4.4
Control	After 18 h
Log cfu	7.0
Sub-Samples	1-1
Log cfu Sample (staph)	2.0
Percent reduction Sample (staph) [%]	99.9990
Log reduction Sample (staph)	5.0
Activity Sample (staph)	++

Test costs information (Pro-Forma invoice)

Item	Price per item	No item	Costs
LIMS license + reporting	250	1	250
ISO 20743: Staphylococcus aureus (ATCC 6538P)	150	1	150

Total value of this report: USD 400.-