

# Microbe Investigations AG

## LS20-02367

Report date: September 18, 2020

Customer: Saredo Douglas

Distributor: CHT Germany GmbH

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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](http://www.microbe-investigations.com)

## Test report overview

General Info	Name	Contact	HeiQ KAM
Customer	Saredo Douglas	-	L. Vermeersch
Distributor	CHT Germany GmbH	A. Edel	L. Vermeersch
Brand owner	-	-	-
Brand label	-	Application at	Client
Reason for testing	-	Application by	Exhaust application
HeiQ Effects	HeiQ Viroblock	Scale	3 - bulk trial

Test methods carried out in this report		
Effect / Property	Testing standard	Test parameter
Quantitative 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:**

In the test ISO 20743 the sample "65/35 % navy fabric; NPJ03 10%" shows good antimicrobial activity versus *Staphylococcus aureus*, initially, and after 10 home launderings.

## Samples, finishing process and textile information

Sample	Sample description
1	65/35 % navy fabric; NPJ03 10%

Recipe	Sample number
Product	1
Viroblock (CHT) [%]	10
Parameters	1
Liquor ratio [none]	-
pH [	-
Heating rate [°C/min]	-
Temperature [°C]	-
Time [min]	-
Drying Temp. [°C]	-
Drying Time [min]	-
Substrates	1
Not specified [%]	65
Others [%]	35
Textile information	1
Weight [g/m2]	-
Construction	WOV
Structure	-

Legend:

Construction process	Textile structure
WOV = Woven	

## Antimicrobial Testing

Recipe	Sample number	
Product	1	
Viroblock (CHT) [%]	10	
ISO 6330 parameters	1-1	1-2
ISO 6330 4G		10
Drying conditions		U

### ISO 20743: Staphylococcus aureus (ATCC 6538P)

Control	Intial	After 18 h
Log cfu	4.36	6.79
Sub-Samples	1-1	1-2
Log cfu Sample (staph)	2.00	2.00
Percent reduction Sample (staph) [%]	100.00	100.00
Log reduction Sample (staph)	4.80	4.80
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	2	300
ISO 6330 4G (delicate)	8	10	80

Total value of this report: USD 630.-