



Flokser A.s.
Ürgüplü Cad. No.1
34960 Hadimköy-Istanbul
Türkei

Burgdorf, 29.09.2021

Test order No. 2021-0970

Date of order: 14.07.2021
Responsible:
Pages: 7

Methoden:

AATCC 147	Qualitative test for determination of the antibacterial effectiveness:
ASTM E 1428	Determination of Pink Stain resistance:
ASTM G 21	Determination of mold resistance:
JIS Z 2801	Quantitative analysis for determination of the bacteriostatic activity; film 35x35mm; inoculum 120ul:

SANITIZED AG

A blue ink signature of Erich Rohrbach.

Erich Rohrbach
Head Microbiology

The findings are valid for the tested object(s) only. Filing record of report and documentation is 10 years.

Results

Description of sample

Sample number:	2021-0970-01	Received:	14.07.2021
Business:	POLYMER	Type:	QC
Identification:	Artemis FR (FR Collections)		
Main Component:	PVC (3 layers) with PU preskin		
Minor Component:	PES fabric		
Field of Application:	Marine Upholstery		
Sanitized Products:	Sanitized® PL 14-32		
Declared quantity:	0.98% + 0.78% + 0.8% in PVC layers		
Finishing Process(es):	Coating		
Finishing Parameter(s):	Drying: 160°C Curing: 200°C		
Additive Finish:	Flame retardants, stabilizer, pigments		
Remark:	Laboratory sample Front coated side tested		

Test results of the SANITIZED-laboratory

Qualitative test for determination of the antibacterial effectiveness:				
Method	Test point	Growth	Halo in mm	Evaluation
AATCC 147	Staphylococcus aureus ATCC 6538	Medium	-	Insufficient effect
Determination of mold resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM G 21	Growth rate 0 to 4 after 4 weeks of incubation	0	None	Excellent mold resistance
Determination of Pink Stain resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM E 1428	Growth rate 0 to 4 after 2 weeks of incubation	0	None	Excellent Pink Stain resistance
Quantitative analysis for determination of the bacteriostatic activity:				
Method	Test point	Activity	Reduction in %	Evaluation
JIS Z 2801	Staphylococcus aureus ATCC 6538P	>4.00	>99.99	Good effect

Results

Description of sample

Sample number: **2021-0970-02** Received: 14.07.2021
 Business: POLYMER Type: QC
 Identification: Artemis FR (FR Collections)
 Main Component: PVC (3 layers) with PU preskin
 Minor Component: PES fabric
 Field of Application: Marine Upholstery
 Sanitized Products: Sanitized® PL 14-32
 Declared quantity: 0.98% + 0.78% + 0.8% in PVC layers
 Finishing Process(es): Coating
 Finishing Parameter(s): Drying: 160°C
 Curing: 200°C
 Additive Finish: Flame retardants, stabilizer, pigments
 Remark: Laboratory sample
 Back fabric side tested

Test results of the SANITIZED-laboratory

Determination of mold resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM G 21	Growth rate 0 to 4 after 4 weeks of incubation	0	None	Excellent mold resistance
Determination of Pink Stain resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM E 1428	Growth rate 0 to 4 after 2 weeks of incubation	0	None	Excellent Pink Stain resistance

Results

Description of sample

Sample number:	2021-0970-03	Received:	14.07.2021
Business:	POLYMER	Type:	QC
Identification:	Anatolia FR-5 (FR-5 Collections)		
Main Component:	PVC (3 layers) with PU preskin		
Minor Component:	Viscose fabric		
Field of Application:	Marine Upholstery		
Sanitized Products:	Sanitized® PL 14-32		
Declared quantity:	0% + 1.3% + 0.98% in PVC layers		
Finishing Process(es):	Coating		
Finishing Parameter(s):	Drying: 160°C Curing: 200°C		
Additive Finish:	Flame retardants, stabilizer, pigments		
Remark:	Laboratory sample Front coated side tested		

Test results of the SANITIZED-laboratory

Qualitative test for determination of the antibacterial effectiveness:				
Method	Test point	Growth	Halo in mm	Evaluation
AATCC 147	Staphylococcus aureus ATCC 6538	None	1 mm	Good effect
Determination of mold resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM G 21	Growth rate 0 to 4 after 4 weeks of incubation	0	None	Excellent mold resistance
Determination of Pink Stain resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM E 1428	Growth rate 0 to 4 after 2 weeks of incubation	0	None	Excellent Pink Stain resistance
Quantitative analysis for determination of the bacteriostatic activity:				
Method	Test point	Activity	Reduction in %	Evaluation
JIS Z 2801	Staphylococcus aureus ATCC 6538P	>4.00	>99.99	Good effect

Results

Description of sample

Sample number: **2021-0970-04** Received: 14.07.2021
 Business: POLYMER Type: QC
 Identification: Anatolia FR-5 (FR-5 Collections)
 Main Component: PVC (3 layers) with PU preskin
 Minor Component: Viscose fabric
 Field of Application: Marine Upholstery
 Sanitized Products: Sanitized® PL 14-32
 Declared quantity: 0% + 1.3% + 0.98% in PVC layers
 Finishing Process(es): Coating
 Finishing Parameter(s): Drying: 160°C
 Curing: 200°C
 Additive Finish: Flame retardants, stabilizer, pigments
 Remark: Laboratory sample
 Back fabric side tested

Test results of the SANITIZED-laboratory

Determination of mold resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM G 21	Growth rate 0 to 4 after 4 weeks of incubation	0	None	Excellent mold resistance
Determination of Pink Stain resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
ASTM E 1428	Growth rate 0 to 4 after 2 weeks of incubation	0	None	Excellent Pink Stain resistance