ÇEVRE
ENDÜSTRİYEL ANALİZ
LABORATUVARI

TÜRKAK
Test
TS EN ISO/IEC 17025
AB-0363-T

AB-0363-T
2215037E
06-22

ANALYSIS REPORT

Report No. : **2215037E** Report Date : 14/06/2022

Applicant : BRBEN TEKSTİL SAN. VE TİC. A.Ş.

Address : 2. OSB 83207 Nolu Cad. No: 2/10 Şehitkamil/Gaziantep/Turkey

Sample : Overalls Tuta Protettiva (Blue Tape Hot System)Cat.III Type 3-B/4-B/5-B/6-B BR1FM-27- BR MED

Sample Package : Original poly packing

Sample Amount : 4 pieces

Sampling Point : -

Sampling Method : -

Sampling Date : -

Sample Lot No. : BR1FM2022/00044

Production Date : 20/04/2022

Packing Date : -

Expire Date : 20/04/2027

Producer Company : Brben Tekstil San. ve Tic. A.Ş.

Product No : -

Supplier Number : -

Sample Receiving Time : 03/06/2022 15:15:00

Analysis Beginning Time : 03/06/2022 15:30:00

Analysis Completion Time : 13/06/2022

Following analysis results were obtained from the specimen which was delivered by cargo to Çevre Laboratory

Parameters	Unit	Finding	Method	Information	
Synthetic Blood Resistance to Penetration					
The Average Thickness of the Material Tested	mm	0,34	ISO 16603	(*)	148
The Average Mass of the Material Tested	g	0,336	ISO 16603	(*)	148
Test Spicemen 1: 0 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 1: 1,75 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 1: 3,5 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 1: 7 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 1: 14 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 1: 20 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen Thickness 1	mm	0,34	ISO 16603	(*)	

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Assistant Laboratory Responsible of Microbiology Laboratory

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Approved by
14/06/2022
Ömer Yasin BALIK
Laboratory Manager

Çevre Endüstriyel Analiz Laboratuvarı Hiz. Tic. A.Ş. Merkez Mahallesi Tatlıpınar Sokak No:13 Mart Plaza Kat:2/A Kağıthane / İstanbul

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Parameters	Unit	Finding	Method	Information	
Test Specimen Mass 1	g	0,3151	ISO 16603	(*)	
Test Spicemen 2: 0 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 2: 1,75 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 2: 3,5 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 2: 7 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 2: 14 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 2: 20 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen Thickness 2	mm	0,35	ISO 16603	(*)	
Test Specimen Mass 2	g	0,3324	ISO 16603	(*)	
Test Spicemen 3: 0 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 3: 1,75 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 3: 3,5 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 3: 7 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 3: 14 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen 3: 20 kPa	-	Succeed	ISO 16603	(*)	149
Test Spicemen Thickness 3	mm	0,34	ISO 16603	(*)	
Test Specimen Mass 3	g	0,3278	ISO 16603	(*)	
The Procedure Selected	-	D	ISO 16603	(*)	
Microbial Penetration - Dry Bacterium					
Microbial Penetration - Dry Bacterium	log cfu	<1	ISO 22612	(*)	150, 151
Test Spicemen 1 - Colony Count	cfu	1	ISO 22612	(*)	
Test Spicemen 2 - Colony Count	cfu	3	ISO 22612	(*)	
Test Spicemen 3 - Colony Count	cfu	<1	ISO 22612	(*)	
Test Spicemen 4 - Colony Count	cfu	5	ISO 22612	(*)	
Test Spicemen 5 - Colony Count	cfu	4	ISO 22612	(*)	
Test Spicemen 6 - Colony Count	cfu	3	ISO 22612	(*)	
Test Spicemen 7 - Colony Count	cfu	8	ISO 22612	(*)	
Test Spicemen 8 - Colony Count	cfu	2	ISO 22612	(*)	

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Parameters	Unit	Finding	Method	Information	
Test Spicemen 9 - Colony Count	cfu	2	ISO 22612	(*)	
Test Spicemen 10 - Colony Count	cfu	3	ISO 22612	(*)	
Ortalama Koloni Sayısı	cfu	3	ISO 22612	(*)	
Negative Control Count 1	cfu	<1	ISO 22612	(*)	
Negative Control Count 2	cfu	<1	ISO 22612	(*)	
Talc Concentration	cfu/g	$3,9*10^8$	ISO 22612	(*)	
Pathogen Penetration					
The Procedure Selected	-	D	ISO 16604	(*)	155
Hydrostatic Pressure - 1	kPa	20	ISO 16604	(*)	210
Test Spicemen 1	-	Succeed	ISO 16604	(*)	157, 210
Hydrostatic Pressure - 2	kPa	20	ISO 16604	(*)	210
Test Spicemen 2	-	Succeed	ISO 16604	(*)	157, 210
Hydrostatic Pressure - 3	kPa	20	ISO 16604	(*)	210
Test Spicemen 3	-	Succeed	ISO 16604	(*)	157, 210
Pre-test Bacteriophage Titer	pfu/mL	$4,9*10^8$	ISO 16604	(*)	
Post-test Bacteriophage Titer	pfu/mL	$4,2*10^8$	ISO 16604	(*)	
Negative Control	-	Succeed	ISO 16604	(*)	
Positive Control	-	Fail	ISO 16604	(*)	

Method ISO : International Organization for Standardization

Information

148 : Test sample-1 is sampled from the right arm, test sample-2 left leg, test sample-3 body part. The thickness and mass given are the average of the results for these three samples.

149 : The retaining screen has 50% open area

150 : Test Conditions : 65±5 relative humidity and 20±2°C
ATCC 9372 Bacillus subtilis spores were used in the concentration of ethyl alcohol.
200 mm x 200 mm 12 test pieces used
The vibrator was operated in an air flow with a vibration frequency of 20800 per minute.

151 : EN 14126 standard provides Class 3 values according to Table 4.

155 : Test Conditions: Minimum 24 hours at 20±2°C and 65±5 % relative humidity
Sample size and number: 3 test samples in size 75x75mm
Name of test microorganism: ATCC 13706-B1 Escherichia coli bacteriophage Phi X174
PFU: Plate forming unit

157 : Test sample-1 right arm, test sample-2 left leg, test sample-3 were sampled from the body part.

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210 : EN 14126 standard provides Class 6 values according to Table 1.

Note

1. Çevre End. Analiz Lab. Hiz. Tic. A.Ş. accredited by TÜRKAK under registration number [AB-0363-T] for [TS EN ISO/IEC 17025] as test laboratory". Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.
2. When a conformity assessment is requested, legal regulations, standards or the decision rule agreed with the customer are applied by us after a risk assessment and the application method is specified in the information section of the report. The Simple Decision Rule applies where conformity assessment is requested without taking into account the measurement uncertainty.
3. Uncertainties stated in the report are expanded uncertainty (k=2, 95%). Total Uncertainty of Measurement includes the uncertainty from sampling. It is valid when the sample is taken by us.
4. The definitional information included in the analysis report and affecting the validity of the results has been declared by the customer. Our laboratory is not responsible for any losses/legal obligations that may occur due to the accuracy and use of this information.
5. Analysis report covers samples/sampling that comes to the laboratory.
6. This report and results don't not be copied and printed partially or completely without permission of Cevre Industrial Analysis Laboratory for any commercial and advertising purposes.
7. This report shall not be used for legal/administrative procedures and advertising purposes.
8. The test report without sign is not valid.
9. (*) This parameter is covered by our accreditation scope.

End of Report

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