TÜRKAK

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EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ LTD. ŞTİ
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

EKOTEKS

TEST REPORT
DENEY RAPORU

	AB-0583-T
	14155634
	03-14

Customer name:	FONSİYONEL TEKSTİL LTD. ŞTİ.
Address:	Perpa Ticaret Merkezi B Blok kat 12 No:2054 Okmeydanı/ İSTANBUL
Buyer name:	-
Contact Person:	MEHTAP YETİŞKİN
Order No:	-
Article No:	-
Name and identity of test item:	One sample of grey mélange socks with black design. (ECOSİLVER DIABETIC SOCKS)
The date of receipt of test item:	13.03.2014
Date of test:	13.03.2014- 24.03.2014
Remarks:	-
Sampling:	The results given in this report belong to the received sample by vendor.
End-Use:	-
Care Label:	Not specified
Number of pages of the report:	4

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal	**Date** 25.03.2014	**Person in charge of test** Behiye ŞAŞMAZ	**Head of Testing Laboratory** Sevim A. RAZAK

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Testing reports without signature and seal are not valid.

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TEST RESULTS

ANTIBACTERIAL ACTIVITY : ISO 20743:2007

Microorganism	Staphylococcus aureus ATCC 6538 (Gram(+))

Sample	Bacteria growth (cfu / ml)		Logarithmic Reduction (cfu / ml)		Bacteria growth F: lg C_t – lg C_o
	Contact Time (0 h)	After Incubation (24s, 35°C)	lg (C_o)	lg (C_t)	
Untreated sample	1.2×10^4	7×10^6	4.07	6.84	2.77

Sample	Bacteria growth (cfu / ml)		Logarithmic Reduction (cfu / ml)		Bacteria growth G: lg T_t – lg T_o
	Contact Time (0 h)	After Incubation (24s, 35°C)	lg (T_o)	lg (T_t)	
Treated Sample	1.1×10^4	1.3×10^4	4.04	4.11	0.07

% Reduction	Result	Requirement
Antibacterial Activity Value; (A=F-G)	A=2.7	-
% R	2 ≤A<3	-

Measuring method of number of living bacteria	Plate Count method
The number of bacteria in the test inoculum (kob/ml)	2.8×10^5
Volume of inoculated bacteria	0.2 ml
Size of sample	0.4 g
Incubation conditions	18 h, 37 ± 1°C, Min % 90 RH

R: İs the antibacterial activity.

C_o: Mean logarithmic value of untreated samples immediately after inoculation. (0 hours contact time)

C_t: Mean logarithmic value of untreated sample at the end of 24 hours.

T_t: Mean logarithmic value of the treated sample processed at the end of 24 hours

T_t: Mean logarithmic value of the treated sample processed at the end of 0 hour.