



EKOTEKS

TÜRKAK
TÜRK AKREDİTASYON KURUMU
TURKISH ACCREDITATION AGENCY
tarafından akredite edilmiş



Test
TS EN ISO/IEC 17025
AB-0583-T

**EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.**

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

TEST REPORT
DENEY RAPORU

AB-0583-T

15044028-
ing

09-15

Customer name: ARITEKS BOYACILIK TİCARET VE SAN. A.Ş.
Address: Velimeşe OSB Mah. Hacı Şeremet 5. Sokak 9/9 ERGENE/ TEKİRDAĞ
Buyer name: -
Contact Person: ÖZGÜR KUŞKU
Order No: -
Article No: -
Name and identity of test item: One sample of (claimed to be ;%70 CV, %22PA, %8 EI) navy knit fabric.
The date of receipt of test item: 18.09.2015
Re-submitted/ re-confirmation date: -
Date of test: 18.09.2015-22.09.2015
Remarks: -
Sampling: The results given in this report belong to the received sample by vendor.
End-Use: Women's wear/Trousers
Care Label: Not Specified.
Number of pages of the report: 5

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
28. 09.2015

Person in charge of test
N. Füsun EROL

Head of Testing Laboratory
Sevim A. RAZAK

This report shall not be reproduced other than in full except with the permission of the laboratory.
Testing reports without signature and seal are not valid.

**EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.**

AB-0583-T
15044028- ing
09-15

REQUIRED TESTS	RESULT	COMMENTS
PHYSICAL PROPERTIES TESTS		
Fibre Composition ⁽¹⁾	-	
Stretch Recovery ⁽²⁾	-	
COLOUR FASTNESS TESTS ⁽³⁾		
Formaldehyde	P	
Forbidden Arylamines In Dyestuff	P	
P: Pass F: Fail R: Refer to retailer technologist. ⁽¹⁾ No tolerance was given ⁽²⁾ Requirements were not given by vendor. ⁽³⁾ Evaluated according to eco textile limit values.		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the accreditation schedule.



This report shall not be reproduced other than in full except with the permission of the laboratory.
Testing reports without signature and seal are not valid.

**EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.**

AB-0583-T
15044028- ing
09-15

TEST RESULTS

FIBRE COMPOSITION: ISO 1833-1/6/7:2006		
Commercial humidity is taken accordingly as listed below for each determination: 9% for acetate, 2% for acrylic, 8.5 % for cotton, 5.75% for polyamide, 1.5 % for polyester, 1.5% for elastane, 17% for wool/angora, 13% for viscose/modal, 2% for metallic/metallized fiber, 1% for elastodiene, 2% for polypropylene.		
<u>RESULT</u>		<u>REQUIREMENT</u>
70,3 %	Viscose	-
23,6 %	Polyamide	
6,1 %	Elastane	

STRETCH RECOVERY; EN 14704-1:2005(*)

Performed in the conditioned room (20±2°C-65%±4).

Instron 5969. Load: 20N

	<u>RESULT</u>		<u>REQUIREMENT</u>	
	<u>Extension</u>	<u>Residual extension @1 min</u>	<u>Residual extension @30 min</u>	<u>Residual Extension</u>
Widthwise	70.5 %	3.7 %	2.7 %	-
Lenghtwise	67.7 %	3.3 %	2.3 %	

FORMALDEHYDE; ISO 14184-1:2011

A weighed specimen is extracted with distilled water and the amount of free and hydrolized. Formaldehyde released in the water is determined colorimetrically with UV-VIS spectrophotometer.

RESULT
N.D.⁽¹⁾

REQUIREMENT
< 75 mg/kg

⁽¹⁾N.D.: Not detected

**EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.**

AB-0583-T
15044028- ing
09-15

TEST RESULTS

FORBIDDEN AROMATIC ARYLAMINES-MAK III GROUP A1&A2 CATEGORY

Corresponding to the Ordinance on Commodities (Bedarfsgegenständeverordnung) be in force respectively the directive 2002/61/EEC the use of certain azo colorants is banned, which can release by reductive cleavage of their azo group(s) one or more of certain listed aromatic and cancerogenic amines.

Arylamines of class MAK III A1/ A2 are determined and quantified using a Gas Chromatography / Mass Selective Detector (GC/MSD)

List of arylamines, that are not allowed to be split off from dyes under reductive conditions ;

Nr	Substances	CAS No	Index No	EC number
	MAK III A1			
01	4-Aminobiphenyl	92-67-1	612-072-00-6	202-177-1
02	Benzidine	92-87-5	612-042-00-2	202-199-1
03	4-Chloro-o-toluidine	95-69-2		202-441-6
04	2-Naphthylamine (-Naphthylamine)	91-59-8	612-022-00-3	202-080-4
	MAK III A2			
05*	o-Aminoazotoluol (4-amino-2,3-dimethylazobenzene)	97-56-3	611-006-00-3	202-591-2
06	p-Chloroaniline (4-chloroaniline)	106-47-8	612-137-00-9	203-401-0
07	2,4-Diaminoanisole (4-Methoxy-m-phenylenediamine)	615-05-4		210-406-1
08	4,4'-Diaminodiphenylmethane (4,4'-methylendianiline)	101-77-9	612-051-00-1	202-974-4
09	3,3'-Dichlorbenzidine (3,3'-dichlorobiphenyl-4,4'-xylendiamine)	91-94-1	612-068-00-4	202-109-0
10	3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	612-036-00-X	204-355-4
11	3,3'-Dimethylbenzidine (o-Tolidine) (4,4'-bi-o-toluidine)	119-93-7	612-041-00-7	204-358-0
12	3,3'-Dimethyl-4,4'-diaminodiphenylmethane (4,4'-methylene di-o-toluidine)	838-88-0	612-085-00-7	212-658-8
13	4,4'-Methylene-bis-(2-chloro-aniline) (2,2'-dichloro-4,4'-methylendianiline)	101-14-4	612-078-00-9	202-918-9
14*	2-Amino-4-nitrotoluene (5-nitro-o-toluidine)	99-55-8		202-765-8
15	4,4'-Oxydianiline (4,4'-Diaminodiphenylether)	101-80-4		202-977-0
16	4,4'-Thiodianiline (4,4'-Diaminodiphenylsulfide)	139-65-1		205-370-9
17	o-Toluidine (2-aminotoluene)	95-53-4	612-091-00-X	202-429-0
18	4-Methyl-1,3-phenylenediamin (4-methyl-m-phenylenediamin) (2,4-Toluenediamine)	95-80-7	612-099-00-3	202-453-1
19	2,4,5-Trimethylaniline	137-17-7		205-282-0
20	o-Anisidine (2-Methoxyaniline)	90-04-0	612-035-00-4	201-963-1
21	2-Methoxy-5-methylaniline (p-Cresidine) (6-methoxy-m-toluidine)	120-71-8		204-419-1
22**	4-Amino Azobenzene	60-09-3	611-008-00-4	200-453-6
23***	2,4-Xylidine	95-68-1		
24***	2,6-Xylidine	87-62-7		

* The CAS-numbers 97-56-3 (No. 5) and 99-55-8 (No. 14) are detected further reduced to CAS-numbers 95-53-4 (No. 17) and 95-80-7 (No. 18).

** Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of the below mentioned methods aniline and 1,4-phenylenediamine. For the detection of 4-aminoazobenzene the official testing methods are therefore modified.

Regarding 4-aminoazobenzene (Cas No: 60-09-3) : The official method is § 64 LFGB 82.02.9 September 2006 under consideration of the amendment § 64 LFGB 82.02.9 ,amendment April 2008

*** Not regulated by law

Note: In case the sample was a blend of coloured synthetic material with further coloured fibers several test methods were carried out if necessary.

**EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.**

AB-0583-T
15044028- ing
09-15

TEST RESULTS

Component Name	Test Method	Forbidden Arylamines in Dyestuff Results	Conclusion
Navy knit fabric	DIN EN 14362-1:2012 (without extraction)	ND⁽¹⁾	Pass
Navy knit fabric	DIN EN 14362-1:2012 (with extraction)	ND⁽¹⁾	Pass

Max. limit specified by the vendor=30 ppm (individual).

Interpretation:

⁽¹⁾ N.D.: Not detected according to the analysis as carried out, azo colourants banned under the Ordinance on Commodities were not detected in the article submitted.

LS.: Lack of sample.

NA: Not applicable.

"<" = less than

0 = Test not necessary (commodity not coloured or printed)

mg/kg = milligram per kilogram

ppm= part per million (mg/kg)

Note : If an arylamine is listed in the test table, this means; The analytical result suggest that the commodity submitted has been manufactured or treated using azo colourant(s) which can release one or more of certain listed amines by cleavage of their azo group(s).