



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

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar  
İstanbul/ TÜRKİYE



**TEST REPORT**  
*DENEY RAPORU*

AB-0583-T
21032158
11-21

**Customer name:** LTS TEKSTİL SAN VE TİC LTD ŞTİ.  
**Address:** ATATÜRK MAH CEMAL GÜRSEL CAD NO:6/5 KIRAÇ  
ESENYURT/İSTANBUL  
**Buyer name:** -  
**Contact Person:** ALİ RIZA ALPER  
**Order No:** 8692241001292 - 8692241129804  
**Article No:** ART 129  
**Name and identity of test item:** Ecru printed grey supported crawling knee pad  
**The date of receipt of test item:** 26.10.2021  
**Re-submitted/re-confirmation date:** 28.10.2021  
**Date of test:** 28.10.2021-03.11.2021  
**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:** 7

*The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co- 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.*

*EKOTEKS LABORATUVAR ve GÖZETİM HİZMETLERİ A.Ş. accredited by TÜRKAK under registration number [AB-0583-T] for ISO 17025:2017 as test laboratory.*

*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**  
04.11.2021

**Customer Representative**  
Zahide TAPAN

**Head of Testing Laboratory**  
Sevim A. RAZAK  
04.11.2021

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REQUIRED TESTS	EVALUATION	COMMENTS
<b>ECOLOGICAL TESTS</b>		
Total Lead	P	
Total Cadmium	P	
Phthalates	P	
PAH's	P	
Forbidden Arylamines In Dyestuff	P	
P:Pass F: Fail R: Refer to retailer technologist Test results were evaluated according to "Registration, Evaluation, Authorisation and Restriction of Chemicals" Legislation limit values dated on 23.06.2017 and No: 30105		

**REMARK:** Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. If requested, measurement uncertainty will be reported. But unless otherwise specified, measurement uncertainty is not considered while stating compliance with specification or limit values. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a level of confidence of approximately 95 %. The declaration of conformity was given in accordance with the Simple Acceptance Decision Rule. Tests marked (\*) in this report are not included in the accreditation schedule

Gen.f136-2/03



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## TEST RESULTS

<b>TOPLAM LEAD</b> CPSC-CH-E1002-08.3-2012		
The amount of total lead is extracted in suitable acidic solution using with microwave technique and determined using ICP-MS.		
	<b><u>CAS NO</u></b>	<b><u>REQUIREMENT</u></b>
Total Lead (Pb)	<b>7439-92-1</b>	<b>&lt; 0.05 %(500 mg/kg)</b>
<b>RESULTS</b>		
<b>SAMPLE NO/PART NO:</b>	<b>TOTAL LEAD RESULT</b>	<b>EVULATION</b>
<b>Ecru printed grey supported crawling knee pad(printed main)</b>	N.D. <sup>(1)</sup>	PASS

N.D <sup>(1)</sup>: Not detected

<b>CADMIUM (Cd); EN 1122-2001</b>		
The Cadmium content in sample is separated by wet-decomposition method.Amount of cadmium is determined using ICP-MS		
	<b><u>CAS NO</u></b>	<b><u>REQUIREMENT</u></b>
<b>Cadmium (Cd)</b>	7440-43-9	<b>&lt; %0.01 (100 mg/kg)</b>

<b>RESULTS</b>		
<b>SAMPLE NO/PART NO:</b>	<b>CADMIUM(Cd) RESULT</b>	<b>EVULATION</b>
<b>Ecru printed grey supported crawling knee pad(printed main)</b>	N.D. <sup>(1)</sup>	PASS

N.D <sup>(1)</sup>: Not detect

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## TEST SONUÇLARI

### DETERMINATION OF PHTHALATES; CPSC-CH-C1001-09.4:2018

Test sample is extracted in suitable organic solvent in extraction device.

The extract is analyzed by GC-MS and result is given.

	<b>Cas No:</b>	<b>İSTENEN</b>
DEHP/ Di-(2-ethylhexyl) phthalate	(117-81-7)	
DBP/ Dibutylphthalate	(84-74-2)	
BBP/ Butylbenzylphthalate	(85-68-7)	
DINP/ Di-iso-nonylphthalate	(28553-12-0)/ (68515-48-0)	
DIDP/ Di-isodecylphthalate	(26761-40-0)/ (68515-49-1)	
DNOP/ Di-n-octylphthalate	(117-84-0)	
<b>Total concentration</b>		< 0.1 %

<b>Sample</b>	<b>Phthalates Result</b>	<b>Total</b>	<b>Evulation</b>
<b>Ecru printed grey supported crawling knee pad(printed main)</b>	<b>ND<sup>(1)</sup></b>	<b>ND<sup>(1)</sup></b>	<b>PASS</b>

ND<sup>(1)</sup>: Not detected

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## TEST SONUÇLARI

### **POLİSİKLIK AROMATİK HİDROKARBONLARIN TAYİNİ(PAH's):**

EKOTEKS 56 (REF:ZEK.01.02-8)

Test numunesi uygun çözücü ile 60±2°C'de ultrasonik su banyosunda ekstrakte edilir. Filtre edildikten sonra numune ekstratı GC-MS'de analiz edilir.

	<u>CAS NO</u>	<u>REQUIREMENT</u>
Benzo(a)anthracene (BaA)	56-55-3	< 0,5 mg/kg (%0,00005)
Benzo(a)pyrene(BaP)	50-32-8	< 0,5 mg/kg (%0,00005)
Benzo(b)fluoranthene(BbFA)	205-99-2	< 0,5 mg/kg (%0,00005)
Benzo(e)pyrene (BeP)	192-97-2	< 0,5 mg/kg (%0,00005)
Benzo(j)fluoranthene(BjFA)	205-82-3	< 0,5 mg/kg (%0,00005)
Benzo(k)fluoranthene (BkFA)	207-08-9	< 0,5 mg/kg (%0,00005)
Chrysene (CHR)	218-01-9	< 0,5 mg/kg (%0,00005)
Dibenzo(a,h)anthracene(DBAhA)	53-70-3	< 0,5 mg/kg (%0,00005)

<b>Sample</b>	<b>RESULT</b>	<b>EVULATION</b>
<b>Ecrü printed grey supported crawling knee pad(printed main)</b>	<b>Benzo(a)pyrene(BaP):0.1 mg/kg Others:N.D</b>	<b>Pass</b>

N.D <sup>(1)</sup>: Not detected

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## TEST SONUÇLARI

### 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
	<b>MAK III A1</b>			
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
	<b>MAK III A2</b>			
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'-methylenedianiline)	101-77-9	612-051-00-1	202-974-4
09	3,3'-Dichlorbenzidine (3,3'-dichlorobiphenyl-4,4'-xylenediamine)	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'-methyleneedianiline)	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 this method, aniline (CAS-number 62-53-3) and 1,4-phenylenediamine (CAS – number 106-50-3). Due to detection limits, only aniline may be detected. If aniline is detected above 5 mg/kg, then the presence of these colorants should be tested by ISO 14362-3 (for leathers ISO 17234-2).

\*\*\* 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.

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## TEST RESULTS

Component Name	Test Method	Forbidden Arylamines in Dyestuff Results	Conclusion
Ecreu printed grey supported crawling knee pad(printed main+trim)	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass
Ecreu printed grey supported crawling knee pad(printed main+trim)	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass

Max. limit 30 ppm (individual).

### Interpretation:

N.D<sup>(1)</sup> : 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)

with extraction : Extraction method was applied.

without extraction : Extraction method was not applied.

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).