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

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

TEST REPORT
DENEY RAPORU

AB-0538-T
23026114
11-23

Customer name:	LTS TEKSTİL SAN VE TİC AŞ
Address:	ATATÜRK MAH CEMAL GÜRSEL CAD NO:6/5 ESENYURT İSTANBUL
Buyer name	-
Contact Person:	İBRAHİM AKSAY
Order No:	8692241109028 / 8692241190255 / 8692241890285
Article No:	9028 / 9028-5 / 9021-13
Name and identity of test item:	**Sample 1:**One Sample Of Grey Baby Reflux Mattress **Sample 2:** One Sample Of Beige Baby Reflux Mattress
The date of receipt of test item:	02.11.2023
Re-submitted/re-confirmation date:	-
Date of test:	02.11.2023-08.11.2023
Remarks:	-
Sampling:	The results given in this report belong to the received sample by vendor.
End-Use:	-
Care Label:	-
Number of pages of the report:	8

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*	*Customer Representative*	*Head of Testing Laboratory*
	08.11.2023	Zahide TAPAN	Sevim A. RAZAK 08.11.2023

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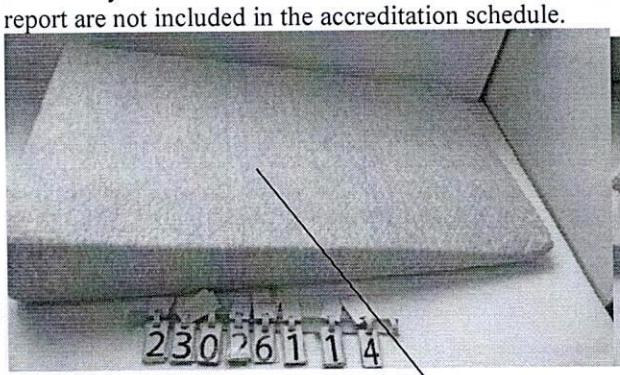
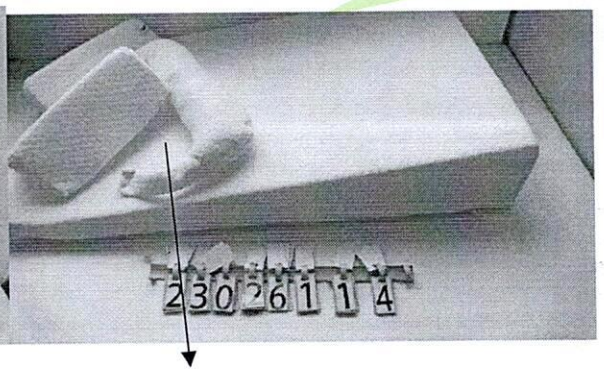
REQUIRED TESTS	EVALUATION	COMMENTS
PHYSICAL PROPERTIES TESTS/Sample 1&2		
Phthalates	P	
Polycyclic Aromatic Hydrocarbons(Pah)	P	
Tin Organic Compounds	P	
Cadmium	P	
Total Lead	P	
Forbidden Arylamines In Dyestuff	P	
P: Pass F: Fail R: Refer to retailer technologist. Test results were evaluated according to oeko-100 limit values.		

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. (without considering the level of confidence and measurement uncertainty , evaluation of suitability or non-conformity based on whether the test result obtained is only within the specified limits) Tests marked (*) in this report are not included in the accreditation schedule.



Sample 1



Sample 2

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TEST RESULTS

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.

Sample 1&2/Fastener

	CAS NO:	RESULT	REQUIREMENT
BBP/ Butylbenzylphthalate	(85-68-7)	N.D. (1)	
DBP/ Dibutylphthalate	(84-74-2)	N.D. (1)	
DEHP/ Di-(2-ethylhexyl) phthalate	(117-81-7)	N.D. (1)	
DCHP/ Di-cyclohexylphthalate	(84-61-7)	N.D. (1)	
DIBP/ Bis – iso –butyl phthalate	(84-69-5)	N.D. (1)	
DINP/ Di-iso-nonylphthalate	(28553-12-0)/ (68515-48-0)	N.D. (1)	
DNHP/ Di-n-hexyl phthalate	(84-75-3)	N.D. (1)	
DPP/ Di-pentylphthalate (n-, iso-, or mixed)	(131-18-0) / (605-50-5) (776297-69-9) / (84777-06-0)	N.D. (1)	
DMP/ Dimetylphthalate	(131-11-3)	N.D. (1)	
DEP/ Di-ethylphthalate	(84-66-2)	N.D. (1)	
DMEP/ Di-(2-methoxyethyl) phthalate	(117-82-8)	N.D. (1)	
DIHP/ Di-C6-8-branched alkyphthalates	(71888-89-6)	N.D. (1)	
DNOP/ Di-n-octylphthalate	(117-84-0)	N.D. (1)	
DIDP/ Di-isodecylphthalate	(26761-40-0)/ (68515-49-1)	N.D. (1)	
DHNUP/Di-C7-11-branched alkyphthalates	(68515-42-4)	N.D. (1)	
DHP/ Di-hexylphthalates, branched and linear	(68515-50-4)	N.D. (1)	
DIHxP/ Di-iso-hexylphthalate	(71850-09-4)	N.D. (1)	
DIOP/ Di-iso-octylphthalate	(27554-26-3)	N.D. (1)	
DPrP/ Di-n-propylphthalate	(131-16-8)	N.D. (1)	
DNP/ Di-n-nonylphthalate	(84-76-4)	N.D. (1)	
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters	(68515-51-5)	N.D. (1)	
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	(68648-93-1)	N.D. (1)	
Total concentration		N.D. (1)	< 0.05 % (500 mg/kg)

N.D (1): <LOD
Total Uncertainty:%17,40

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TEST RESULTS

POLYCYCLIC AROMATIC HYDROCARBONS(PAH); EKOTEKS 56 (REF:ZEK.01.02-8)

Test sample is extracted with suitable solution in ultrasonic bath at 60±2°C.After clean-up he extract is analyzed by using GC-MS.

Sample 1&2/Fastener	**CAS NO**	**RESULT**	**REQUIREMENT**	
			PRODUCT CLASS I	
Naphthalene	91-20-3	N.D (1)	-	
Acenaphthylene	208-96-8	N.D (1)	-	
Acenaphthene	83-32-9	N.D (1)	-	
Fluorene	86-73-7	N.D (1)	-	
Phenanthrene	85-01-8	N.D (1)	-	
Anthracene	120-12-7	N.D (1)	-	
Fluoranthene	206-44-0	N.D (1)	-	
Pyrene	129-00-0	N.D (1)	-	
1-Methylpyrene	2381-21-7	N.D (1)	-	
Benzo(a)anthracene	56-55-3	N.D (1)	<0,5 mg/kg	
Cyclopenta(c,d)pyrene	27208-37-3	N.D (1)	-	
Chrysene	218-01-9	N.D (1)	<0,5 mg/kg	
Benzo(b)fluoranthene	205-99-2	N.D (1)	<0,5 mg/kg	
Benzo(k)fluoranthene	207-08-9	N.D (1)	<0,5 mg/kg	
Benzo(j)fluoranthene	205-82-3	N.D (1)	<0,5 mg/kg	
Benzo(a)pyrene	50-32-8	N.D (1)	<0,5 mg/kg	
Benzo(e)pyrene	192-97-2	N.D (1)	<0,5 mg/kg	
Indeno(1,2,3-cd)pyrene	193-39-5	N.D (1)	-	
Dibenzo(a,h)anthracene	53-70-3	N.D (1)	<0,5 mg/kg	
Benzo(g,h,i)perylene	191-24-2	N.D (1)	-	
Dibenzo(a,l)pyrene	191-30-0	N.D (1)	-	
Dibenzo(a,e)pyrene	192-65-4	N.D (1)	-	
Dibenzo(a,i)pyrene	189-55-9	N.D (1)	-	
Dibenzo(a,h)pyrene	189-64-0	N.D (1)	-	
Total		N.D (1)	<5,0 mg/kg	

N.D (1): <LOD
Total Uncertainty:%12,90

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TEST RESULTS

TIN ORGANIC COMPOUNDS; EKOTEKS 24 (DIN 38407-13/DIN EN ISO 17353)

Determination of extractable tin organic compounds.Sample is extracted with organic solvent then derivated and gas chromotographic test.

Sample 1&2/Fastener	**CAS NO**	**RESULT**	**REQUIREMENT** PRODUCT CLASS I
MBT(Monobutyltin)	1118-46-3	N.D(1)	<1,0 mg/kg
DBT(Dibutyltin)	683-18-1	N.D(1)	<1,0 mg/kg
TBT(Tributyltin)	1461-22-9	N.D(1)	<0,5 mg/kg
TeBT(Tetrabutyltin)	1461-25-2	N.D(1)	<1,0 mg/kg
MOT(Monoctyltin)	3091-25-6	N.D(1)	<1,0 mg/kg
DOT(Dioctyltin)	3542-36-7	N.D(1)	<1,0 mg/kg
TPhT(Triphenyltin)	639-58-7	N.D(1)	<0,5 mg/kg
TCyHT(Tricylohexyltin)	3091-32-5	N.D(1)	<1,0 mg/kg
DMT(Dimethyltin)	753-73-1	N.D(1)	<1,0 mg/kg
DPhT(Diphenyltin)	1135-99-5	N.D(1)	<1,0 mg/kg
MMT(Monomethyltin)	993-16-8	N.D(1)	<1,0 mg/kg
TMT(Trimethyltin)	1066-45-1	N.D(1)	<1,0 mg/kg
TOT(Trioctyltin)	2587-76-0	N.D(1)	<1,0 mg/kg
TPT(Tripropyltin)	2279-76-7	N.D(1)	<1,0 mg/kg
DPrOT (Dipropyltin)	867-36-7	N.D(1)	<1,0 mg/kg
TeET (Tetraethyltin)	597-64-8	N.D(1)	<1,0 mg/kg

N.D (1): <LOD

Total Uncertainty:%19,70

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TEST RESULTS

CADMİUM (Cd); EN 1122-2001

The Cadmium content in sample is separated by wet-decomposition method.Amount of cadmium is determined using ICP-MS.

Sample 1&2/Fastener

	RESULT		REQUIREMENT
Cadmium (Cd)	N.D.(1)		< 40 mg/kg

N.D (1): <LOD
Total Uncertainty :11,88%

TOTAL LEAD; CPSC-CH-E1002-08.3-2012

The amount of total lead is extracted in suitable acidic solution using with microwave tecnique and determined using ICP-MS.

Sample 1&2/Fastener

	RESULT		REQUIREMENT
Total Lead (Pb)	N.D.(1)		< 90 mg/kg

N.D (1): <LOD

Total Uncertainty :%16,59

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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'-methylenedianiline)	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-phenylendiamin (4-methyl-m-phenylendiamin) (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		
25****	Aniline	62-53-3		

* 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

**** The sum of cleavable aniline and of possibly also as chemical residue present of aniline (The aniline is located in the "other arylamine" group of Oeko-tex-100:2018)

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
Sample 1&2&3/Grey,White main+Inner beige main+Fastener	DIN EN ISO 14362-1:2017 (with extraction)	ND(1)	Pass
Sample 1&2&3/Grey,White main+Inner beige main+Fastener	DIN EN ISO 14362-1:2017 (without extraction)	ND(1)	Pass

Max. limit specified by eco-textile requirement=20 mg/kg (individual).
The sum of cleavable aniline and of possibly also as chemical residue present of aniline has to be also < 100 mg/kg according to eco textile limit values.

Interpretation:

N.D. (1) : Not detected according to the analysis as carried out, azo colourants banned under the Ordinance on Commidities 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).

Total Uncertainty :
Without extraction:%18,82
With extraction: %37,86