



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

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

TEST REPORT
DENEY RAPORU



AB-0583-T
21032111
11-21

Customer name: LTS TEKSTİL SAN VE TİC LTD ŞTİ.
Address: ATATÜRK MAH CEMAL GÜRSEL CAD NO:6/5 KIRAÇ
ESEN YURT/İSTANBUL

Buyer name: -

Contact Person: ALİ RIZA ALPER

Order No: 8692241005351 - 8692241253516 - 8692241253523

Article No: ART 535

Name and identity of test item: Multi colour printed white sleeping pants

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
ECOLOGICAL TESTS		
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.



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TEST RESULTS

TOTAL LEAD 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.		
	<u>CAS NO</u>	<u>REQUIREMENT</u>
Total Lead (Pb)	7439-92-1	< 0.05 %(500 mg/kg)
RESULTS		
SAMPLE NO/PART NO:	TOTAL LEAD RESULT	EVALUATION
Multi colour printed white sleeping pants(printed&coated main)	N.D. ⁽¹⁾	PASS

N.D⁽¹⁾: Not detected

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

RESULTS		
SAMPLE NO/PART NO:	CADMIUM(Cd) RESULT	EVALUATION
Multi colour printed white sleeping pants(printed&coated main)	N.D. ⁽¹⁾	PASS

N.D⁽¹⁾: Not detect

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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.

	<u>Cas No:</u>	<u>REQUIREMENT</u>
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)	
Total concentration		< 0.1 %

Sample	Phthalates Result	Total	EVALUATION
Multi colour printed white sleeping pants(printed&coated main)	ND ⁽¹⁾	ND ⁽¹⁾	PASS

ND⁽¹⁾: Not detected

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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 the extract is analyzed using by GC-MS.

	<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)

Sample	RESULT	EVALUATION
Multi colour printed white sleeping pants(printed&coated main)	Benzo(a)pyrene(BaP):0.1 mg/kg Others:N.D	Pass

N.D ⁽¹⁾: Not detected

Gen.f136-2/03

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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-Diaminoaniline (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'-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

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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.

Gen.fl136-2/03

TEST RESULTS

Component Name	Test Method	Forbidden Arylamines in Dyestuff Results	Conclusion
Multi colour printed white sleeping pants(printed&coated main)	DIN EN ISO 14362-1:2017 (without extraction)	ND ⁽¹⁾	Pass
Multi colour printed white sleeping pants(printed&coated main)	DIN EN ISO 14362-1:2017 (with extraction)	ND ⁽¹⁾	Pass

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Max. limit 30 ppm (individual).

Interpretation:

N.D⁽¹⁾ : 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).