



Test
TS EN ISO/IEC 17025
AB-0716-T

AB-0716-T

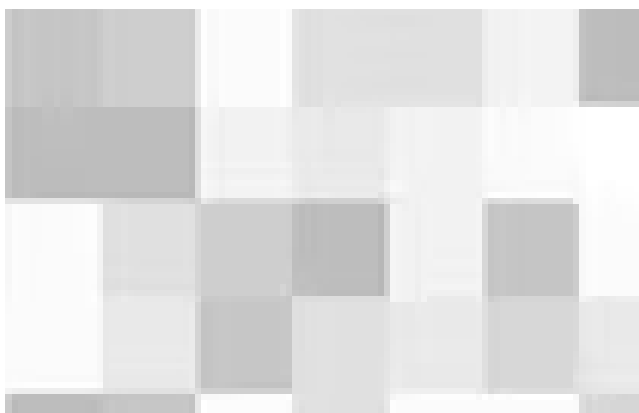
TURT260022340

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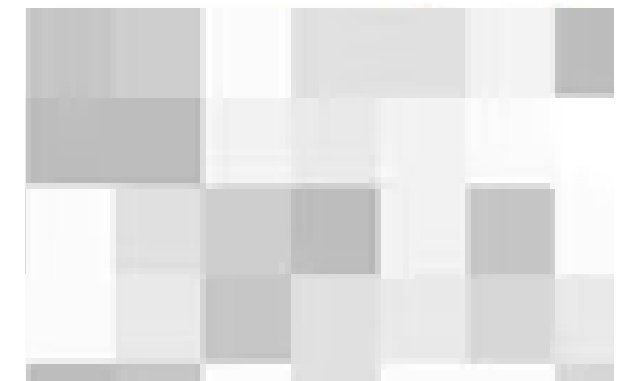
TEST REPORT

Page 1 of 13

REPORT NUMBER : TURT260022340
APPLICANT NAME : Ticaret Bakanlığı İstanbul Gümrük ve Dış Ticaret Bölge Müdürlüğü –
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Attention : 
SAMPLE DESCRIPTION : Six samples of Grey/Black Underwear Set
DATE IN : 24 February ,2026
DATE OUT : 27 February ,2026
IMPORTER : BMD Tekstil - Ozan Işık
NUMBER : E-98552271-554.01.01-00119316358
MODEL NO : DJ3854-1
SUBJECT : A26437667
BRAND : NOT GIVEN



Customer Care Executive



Chemical Laboratory Manager

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260022340

TEST REPORT

REPORT : TURT260022340

Page 2 of 13

TEST	SAMPLE
	1
Dioktilkalay (DOK) bileşikleri	P
Determination of Alkylated Phenol Ethylene Oxides (APEO)	P
Determination of Alkylphenolethoxylates (APEO) for Textile	P
Determination of Brominated Flame Retardants	P
Determination of Certain Aromatic Amines Derived from Azo Colorants	P
Determination of Dimethylfumarate Content	P
Determination of Phosphorus Flame Retardants	P
Cadmium Content	P
Determination of Lead Content	P
Azo Dyes - Leather	NA
PAHs - Determination of Poly Aromatic Hydrocarbons	P

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE / LS = LACK OF SAMPLE / NC = NO COMMENT / I = INCONCLUSIVE / # = SEE RESULT / NF = NEEDS FURTHER TESTING / A = ABSENT / M = MARGINAL ACCEPT / SD = SEE DETAILS ENCLOSED / FS: FURTHER STEPS / MA = MINIMUM AMOUNT

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RESULTS
REPORT :TURT260022340

Page 3 of 13
27 February ,2026

Test Method	Results	Requirements
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Dioktilkalay (DOK) bileşikleri

In-House Method – “IHTM AL.2.030 Rev.13” (based on ISO 17353) (Using GC-MS)

Result

Ecru mesh main with black embroidery, Black elastic strap	RESULTS (%w/w) of tin	REQUIREMENT (%w/w) of tin
Diocetyl tin (DOT)	Not Detected	0.1
Black elastic belt, Black outer trim, Black inner trim	RESULTS (%w/w) of tin	REQUIREMENT (%w/w) of tin
Diocetyl tin (DOT)	Not Detected	0.1
Black elastic side trim, Black hook and loop	RESULTS (%w/w) of tin	REQUIREMENT (%w/w) of tin
Diocetyl tin (DOT)	Not Detected	0.1
Black mesh tulle fabric, Anthracite gusset fabric	RESULTS (%w/w) of tin	REQUIREMENT (%w/w) of tin
Diocetyl tin (DOT)	Not Detected	0.1
Black plastic part	RESULTS (%w/w) of tin	REQUIREMENT (%w/w) of tin
Diocetyl tin (DOT)	Not Detected	0.1

Detection Limit: 0.005%

Remark : The above limit was quoted according to Annex XVII Items 20 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC) for organotin content.

*The reported value was calculated by summation of the values of Tri-butyltin, Tri-phenyltin, Tri-methyltin Tri-octyltin, Tri-cyclohexyltin

Estimated Total Uncertainty=(±19%)

Test Method	Results	Requirements
Determination of Alkylated Phenol Ethylene Oxides (APEO)		
In-House Method – “IHTM AL.2.037 Rev.10” (Using LC-MS-MS)		
Black plastic part		
Nonylphenol (NP)	2 ppm	100 ppm
Nonylphenoethoxylates (NPEO)	Not Detected	
ppm = mg/kg		
Detection Limit = 0.6 ppm		
ND = not detected		
Requirement = 1000 ppm total according to 2003/53/EC		
.		
Estimated Total Uncertainty=(Plastic: ±25%)		

Test Method	Results	Requirements
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Determination of Alkylphenolethoxylates (APEO) for Textile
BS EN ISO 18254-1 by LC-MS-MS

Ecru mesh main with black embroidery, Black elastic strap	Result	Requirement
Nonylphenolethoxylates(NPEO2-18)	Not Detected	0.01% (100 ppm)
Black elastic belt, Black outer trim, Black inner trim	Result	
Nonylphenolethoxylates(NPEO2-18)	Not Detected	0.01% (100 ppm)
Black elastic side trim, Black hook and loop	Result	
Nonylphenolethoxylates(NPEO2-18)	Not Detected	0.01% (100 ppm)
Black mesh tulle fabric, Anthracite gusset fabric	Result	
Nonylphenolethoxylates(NPEO2-18)	Not Detected	0.01% (100 ppm)

ppm (part per million) = mg/kg
Detection Limit = 1 ppm
< = Less Than

Estimated Total Uncertainty=(±21%)

RESULTS

REPORT :TURT260022340

Page 6 of 13

27 February ,2026

Test Method	Results	Requirements
Determination of Brominated Flame Retardants		
In-House Method – “IHTM AL.2.449 Rev.2” (based on ISO 17881-1 BS EN ISO 17881-1 DIN EN ISO 17881-1 TS EN ISO 17881-1) (Using GC-MS)		
Ecru mesh main with black embroidery, Black elastic strap	RESULTS (ppm)	REQUIREMENT (ppm)
Octabromobiphenyl (OctaBB)	Not Detected	
Tetrabromodiphenylether (TetraBDE)	Not Detected	
Pentabromodiphenylether (PentaBDE)	Not Detected	
Hexabromodiphenylether (HexaBDE)	Not Detected	1000 ppm
Heptabromodiphenylether (HeptaBDE)	Not Detected	
Octabromodiphenylether (OctaBDE)	Not Detected	
Decabromodiphenylether (DecaBDE)	Not Detected	
Polybromobiphenyl (PBB)	Not Detected	Not Detected
Black elastic belt, Black outer trim, Black inner trim	RESULTS (ppm)	REQUIREMENT (ppm)
Octabromobiphenyl (OctaBB)	Not Detected	
Tetrabromodiphenylether (TetraBDE)	Not Detected	
Pentabromodiphenylether (PentaBDE)	Not Detected	
Hexabromodiphenylether (HexaBDE)	Not Detected	1000 ppm
Heptabromodiphenylether (HeptaBDE)	Not Detected	
Octabromodiphenylether (OctaBDE)	Not Detected	
Decabromodiphenylether (DecaBDE)	Not Detected	
Polybromobiphenyl (PBB)	Not Detected	Not Detected
Detection Limit: 0.5 ppm		
Estimated Total Uncertainty=(Plastic: ±17%; Textile: ±17%)		

RESULTS

REPORT :TURT260022340

Page 7 of 13

27 February ,2026

Test Method	Results	Requirements
Determination of Brominated Flame Retardants		
In-House Method – “IHTM AL.2.449 Rev.2” (based on ISO 17881-1 BS EN ISO 17881-1 DIN EN ISO 17881-1 TS EN ISO 17881-1) (Using GC-MS)		
Black elastic side trim, Black hook and loop	RESULTS (ppm)	REQUIREMENT (ppm)
Octabromobiphenyl (OctaBB)	Not Detected	
Tetrabromodiphenylether (TetraBDE)	Not Detected	
Pentabromodiphenylether (PentaBDE)	Not Detected	
Hexabromodiphenylether (HexaBDE)	Not Detected	1000 ppm
Heptabromodiphenylether (HeptaBDE)	Not Detected	
Octabromodiphenylether (OctaBDE)	Not Detected	
Decabromodiphenylether (DecaBDE)	Not Detected	
Polybromobiphenyl (PBB)	Not Detected	Not Detected
Black mesh tulle fabric, Anthracite gusset fabric	RESULTS (ppm)	REQUIREMENT (ppm)
Octabromobiphenyl (OctaBB)	Not Detected	
Tetrabromodiphenylether (TetraBDE)	Not Detected	
Pentabromodiphenylether (PentaBDE)	Not Detected	
Hexabromodiphenylether (HexaBDE)	Not Detected	1000 ppm
Heptabromodiphenylether (HeptaBDE)	Not Detected	
Octabromodiphenylether (OctaBDE)	Not Detected	
Decabromodiphenylether (DecaBDE)	Not Detected	
Polybromobiphenyl (PBB)	Not Detected	Not Detected
Detection Limit: 0.5 ppm		
Estimated Total Uncertainty=(Plastic: ±17%; Textile: ±17%)		

RESULTS
REPORT :TURT260022340

Page 8 of 13
27 February ,2026

Test Method	Results	Requirements
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Determination of Certain Aromatic Amines Derived from Azo Colorants

EN ISO 14362-1:2017 determined by GC-MS, HPLC-MS

By Gas Chromatographic - Mass Spectrometric (GC-MS)

1-Composite sample of Ecu mesh main with black embroidery, Black elastic strap (with extraction)

<30 ppm

2-Composite sample of Black elastic belt, Black outer trim, Black inner trim (with extraction)

3-Composite sample of Black elastic side trim, Black hook and loop (with extraction)

4-Composite sample of Black mesh tulle fabric, Anthracite gusset fabric (with extraction)

FORBIDDEN AMINE	CAS NO	RESULTS			
		1	2	3	4
4-AMINOBIHENYL	92-67-1	N	N	N	N
BENZIDINE	92-87-5	N	N	N	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N	N	N
2-NAPHTHYLAMINE	91-59-8	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N	N	N	N
3,3'-DICHLOBENZIDINE	91-94-1	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N	N	N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N	N	N	N
P-CRESIDINE	120-71-8	N	N	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N	N	N
4,4'-OXYDIANILINE	101-80-4	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N
2,4-TOLUENEDIAMINE	95-80-7	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N
**P-AMINOAZOBENZENE	60-09-3	N	N	N	N

Note:

- 1)The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluenediamine.
- 2)Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenyldiamine . The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.
- 3)According to ISO 14362-1:2017, separate test is suggested to ascertain the compliance for result of mixed test in the range between 5 ppm and 30 ppm.
- 4)Azocolourants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC
- 5) According to the official method ISO 14362-1:2017, if 4-Aminodiphenyl or 2-Naphthylamine or 2,4-Diaminoanisole is found exceeding requirement, the use of forbidden Azo colourants cannot be ascertained without additional information e.g. The chemical structure of the colourant used.

ppm : part per million (mg/kg) Detection Limit: 5 ppm < = Less Than N: Not Detected NC : No Comment

Estimated Total Uncertainty=(Textile: ±17% Polyester: ±16%)

RESULTS
REPORT :TURT260022340

Page 9 of 13
27 February ,2026

Test Method	Results	Requirements
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Determination of Dimethylfumarate Content

ISO 16186:2021 (Using GC-MS)

Solvent Extraction Followed By GC/ MS Analysis

Result

	Result	Requirement
Ecru mesh main with black embroidery	Not Detected	0.1 ppm
Black elastic strap, Black elastic belt	Not Detected	
Black outer trim, Black inner trim	Not Detected	
Black elastic side trim, Black mesh tulle fabric	Not Detected	
Black hook and loop	Not Detected	
Anthracite gusset fabric	Not Detected	
Black plastic part	Not Detected	

ppm (part per million) = mg/kg
Detection Limit = 0.05 ppm

Estimated Total Uncertainty=(Silica gel:±12% Textile:±11% Leather:±15% Polymer:±11%)

Test Method	Results	Requirements
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Determination of Phosphorus Flame Retardants

In-House Method – “IHTM AL.2.405 Rev.3”(based on ISO 17881-2) (Using LC-MS-MS)

	Result	
Ecru mesh main with black embroidery, Black elastic strap Tris(aziridinyl)-phosphine oxide (545-55-1)	RESULTS (ppm) Not Detection	REQUIREMENT (ppm) 1000 ppm
Black elastic belt, Black outer trim, Black inner trim Tris(aziridinyl)-phosphine oxide (545-55-1)	RESULTS (ppm) Not Detection	REQUIREMENT (ppm) 1000 ppm
Black elastic side trim, Black hook and loop Tris(aziridinyl)-phosphine oxide (545-55-1)	RESULTS (ppm) Not Detection	REQUIREMENT (ppm) 1000 ppm
Black mesh tulle fabric, Anthracite gusset fabric Tris(aziridinyl)-phosphine oxide (545-55-1)	RESULTS (ppm) Not Detection	REQUIREMENT (ppm) 1000 ppm

Detection Limit: 1 ppm
Estimated Total Uncertainty=(Plastic:±37%, Textile:±36%)

RESULTS

REPORT :TURT260022340

Page 11 of 13
27 February ,2026

Test Method	Results	Requirements
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Cadmium Content

In House Method - "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-MS or ICP-OES)

	Result	Detection Limit	Requirement
Ecru mesh main with black embroidery, Black elastic strap	Not Detected	8 ppm	100 ppm (0.01%)
Black elastic belt, Black outer trim, Black inner trim	Not Detected	8 ppm	
Black elastic side trim, Anthracite gusset fabric	Not Detected	8 ppm	
Black hook and loop, Black mesh tulle fabric	Not Detected	8 ppm	
Black plastic part	Not Detected	8 ppm	
Black coating on metal	Not Detected	8 ppm	

< = less than ppm: parts per million (mg/kg)

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±16%, Textile: ±15%)

Determination of Lead Content

In House Method - "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-MS or ICP-OES)

	Result	Detection Limit	Requirement
Silver metal hook	Not Detected	8 ppm	500 ppm (0.05%)
Silver metal loop	Not Detected	8 ppm	
Gold metal small adjuster	45 ppm	8 ppm	
Gold metal big adjuster	12 ppm	8 ppm	
Gold metal small ring	25 ppm	8 ppm	
Gold metal big ring	29 ppm	8 ppm	
Gold metal hook	22 ppm	8 ppm	
Gold metal pin	13 ppm	8 ppm	
Ecru mesh main with black embroidery, Black outer trim	Not Detected	8 ppm	
Black elastic strap, Black elastic belt, Black inner trim	Not Detected	8 ppm	
Black hook and loop, Black mesh tulle fabric	Not Detected	8 ppm	
Black elastic side trim, Anthracite gusset fabric	Not Detected	8 ppm	
Black plastic part	Not Detected	8 ppm	
Black coating on metal	Not Detected	8 ppm	

< = less than ppm: parts per million (mg/kg)

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±16%, Textile: ±15%)

RESULTS
REPORT :TURT260022340

Page 12 of 13
27 February ,2026

Test Method	Results	Requirements
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PAHs - Determination of Poly Aromatic Hydrocarbons

In-House Method – “IHTM AL.2.032 Rev.15” (Based on AfPS GS and EN 17132) (Using GC-MS)

Black elastic strap, Black elastic belt, Black elastic side trim	Result	Requirement
BENZO(A)PYRENE	Not Detected	1 ppm
BENZO(E)PYRENE	Not Detected	1 ppm
BENZ(A)ANTHRACENE	Not Detected	1 ppm
BENZO(B)FLUORANTHENE	Not Detected	1 ppm
BENZO(J)FLUORANTHENE	Not Detected	1 ppm
BENZO(K)FLUORANTHENE	Not Detected	1 ppm
CHRYSENE	Not Detected	1 ppm
DIBENZO(A,H)ANTHRACENE	Not Detected	1 ppm
Black plastic part	Result	Requirement
BENZO(A)PYRENE	Not Detected	1 ppm
BENZO(E)PYRENE	Not Detected	1 ppm
BENZ(A)ANTHRACENE	Not Detected	1 ppm
BENZO(B)FLUORANTHENE	Not Detected	1 ppm
BENZO(J)FLUORANTHENE	Not Detected	1 ppm
BENZO(K)FLUORANTHENE	Not Detected	1 ppm
CHRYSENE	Not Detected	1 ppm
DIBENZO(A,H)ANTHRACENE	Not Detected	1 ppm

ppm (part per million) = mg / kg
Detection Limit = 0.1 ppm

Estimated Total Uncertainty=(Textile:±15%, Plastic:±16%)

R E S U L T S

REPORT :TURT260022340

Page 13 of 13

27 February ,2026

BAKANLIK



END OF TEST REPORT