



**BUREAU
VERITAS**

TEST REPORT



Test
TS EN ISO/IEC 17025
AB-0505-T

AB-0505-T

72212170058

09.08.2021

LAB LOCATION: TURKEY

LAB NO. : (7221)217-0058

SERVICE TYPE: Regular

DATE IN: August 05, 2021

DATE OUT: August 09, 2021

NUMBER OF WORKING DAYS: 3.0

MATERIAL SUBMITTED : POLYMATH KIMYA SAN. VE TIC. LTD. STI.
(Address: Akcaburgaz Mahallesi 1575. Sokak Alkop Sanayi Sitesi B/7
No: 7 Esenyurt/ISTANBUL)
(Attn: Gurkan Kaya)

BUYER : INDITEX - GREEN TO WEAR

SUPPLIER REFERENCE : Batch Number: 169
Manufacturer: Polymath Kimya
Country of Origin: Turkey

SAMPLE DESCRIPTION : Fabric + Chemical Sample (W 477 Tram Beyaz / Tram White – Batch
No: 169)
(Claimed Fiber Content: /)

COLOUR : /

**SUBMITTED CARE
INSTRUCTION** : /

SUMMARY OF TEST RESULTS

TEST PERFORMED	PASS	FAIL	COMMENTS
Formaldehyde Content	-	-	See Result
Azo Dyes Content	-	-	See Result
Phthalates Content*	-	-	See Result
Organotin Compounds Content*	-	-	See Result
Alkylphenols (AP's) & Alkylphenol Ethoxylates (APEO's) Content*	-	-	See Result

***TURKAK Accredited - See Appendix A**

*= The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline. Information on uncertainty is contained in appendix A on this report.

C/N/EP/GA

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BV CPS TEST LABORATUVARLARI LTD. STI.
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Our report includes all the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from the date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.
Testing reports without signature are not valid.
BV CPS Test Laboratories Ltd.Şti. is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity of the test results.
The sample(s) were sent to BV CPS Test Laboratories Ltd.Şti by the client/vendor via courier, cargo and/or manual delivery. Therefore, sampling was not done BV CPS. Test results given in this test report represent only the sample(s) delivered to laboratory.
When a statement of conformity (Pass/Fail) is given regarding the test results the value of measurement uncertainty is evaluated according to the Shared Risk Decision Rule and conformity assessment is reported without evaluating measurement uncertainty.



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REMARK:

I. If there are questions or concerns on this report, please contact:

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**Bureau Veritas Consumer Products Services Turkey
BV CPS Test Lab. Ltd. Sti.**

**Gamze Aydin
Client Team Lead**

**Kerem Can
Operation Manager**

TEST RESULTS

Formaldehyde Content

Test Method I : ITX-GB/T 2912.1/2012C (For Textile)
Test Method II : ITX-GB/T 19941.2/2005D (For Leather)
Tested Item(s) : I001 Printed Fabric Sample

Maximum Limit:	/
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Tested Item(s)	Test Method	Result	Unit	Conclusion
I001	I	ND	ppm	DATA

Note:
 ND = Not detected
 ppm = part(s) per million = mg/kg
 Reporting Limit (ppm) : 2
 “>” = More than
 mg/kg = milligram(s) per kilogram
 Conc. = Concentration

Azo Dyes Content (Analysis of Amines in Azo Dyestuffs)

Test Method I : ITX-BS EN 14362-1:2003A (For Natural Textile)
Test Method II : ITX-BS EN 14362-2:2003A (For Synthetic Textile)
Test Method III : EN ISO 14362-3:2017 (For Textile)
Test Method IV : EN ISO 17234-1:2020 (For Leather)
Test Method V : EN ISO 17234-2:2011 (For Leather)

Quantification analysis by Gas Chromatograph Mass Spectrometer (GC-MS) and confirmation by Liquid Chromatograph Diode Array Detector (LC-DAD).

Tested Item(s) : I001 Printed Fabric Sample

Maximum Limit:	/
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Tested Item(s)	Test Method	Result			Conclusion
		Detected Analyte(s)	Conc.	Unit	
I001	I	/	ND	ppm	DATA

Note:
 ND = Not detected
 ppm = part(s) per million = mg/kg
 Reporting Limit (ppm) : Each : 5
 “>” = More than
 mg/kg = milligram(s) per kilogram
 Conc. = Concentration

Remark:

- The list of arylamines or free arylamines is summarized in table of Appendix.
- The colorant(s) of the test item(s), that are able to form p-aminoazobenzene, is (are) able to generate aniline and 1,4-phenylenediamine under the condition of Test Method I, II, III or IV.

TEST RESULTS

Phthalates Content

Test Method : CPSC-CH-C1001-09.4 / CPSD-AN-00095-MTHD

Tested Item(s) : I001 Printed Fabric Sample

Maximum Limit:	/
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Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	/	ND	ppm	DATA

Note:

ND = Not detected “>” = More than Conc. = Concentration
 ppm = part(s) per million = mg/kg mg/kg = milligram(s) per kilogram

Detection Limit (ppm): Each 50

Remark:

- The list of phthalates is summarized in table of Appendix.

Organotin Compounds Content

Test Method : ISO 22744-1:2020 and ISO 22744-2:2020 / CPSD-AN-00692-MTHD

Tested Item(s) : I001 Chemical Sample

Maximum Limit:	/
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Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	/	ND	ppm	DATA

Note:

ND = Not detected “>” = More than Conc. = Concentration
 ppm = part(s) per million = mg/kg mg/kg = milligram per kilogram

Detection Limit (ppm): Each 0.2

Remark:

- The list of organotins is summarized in table of Appendix.



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TEST RESULTS

Alkylphenols (AP) & Alkylphenol Ethoxylates (APEO) Content

Test Method I : EN ISO 21084:2019 / CPSD-AN-00735-MTHD
Test Method II : EN ISO 18254-1:2016 / CPSD-AN-00735-MTHD

Tested Item(s) : I001 Chemical Sample

Maximum Limit:	/
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Tested Item(s)	Test Method	Result			Conclusion
		Detected Analyte(s)	Conc.	Unit	
I001	I	OP & NP	ND	ppm	DATA
	II	OPEO & NPEO	ND		

Note:

ND = Not detected

“>” = More than

Conc. = Concentration

ppm = part(s) per million = mg/kg

Detection Limit (ppm): Each (OP & NP):10 ; Each (OPEO & NPEO): 25

Remark:

- The list of (AP) & (APEO) is summarized in table of Appendix.

APPENDIX

List of Amines in Azo Dyestuff :					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	4-Aminodiphenyl	92-67-1	15	4,4'-Methylene-bis-(2-chloraniline)	101-14-4
2	Benzidine	92-87-5	16	4,4'-Oxydianiline	101-80-4
3	4-Chloro-o-toluidine	95-69-2	17	4,4'-Thiodianiline	139-65-1
4	2-Naphthylamine	91-59-8	18	o-Toluidine	95-53-4
5	o-Aminoazotoluene	97-56-3	19	4-Methyl-m-phenylenediamine (2,4-Toluenediamine)	95-80-7
6	5-nitro-o-toluidine (2-Amino-4-nitrotoluene)	99-55-8	20	2,4,5-Trimethylaniline	137-17-7
7	4-Chloroaniline (p-Chloroaniline)	106-47-8	21	o-Anisidine	90-04-0
8	4-Methoxy-m-phenylenediamine (2,4-Diaminoanisole)	615-05-4	22	4-Aminoazobenzene (p-Aminoazobenzene)	60-09-3
9	4,4'-Methylenedianiline (4,4'-Diaminodiphenylmethane)	101-77-9	23	2,4-Xylidine	95-68-1
10	3,3'-Dichlorobenzidine	91-94-1	24	2,6-Xylidine	87-62-7
11	3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	25	4-Chloro-o-toluidinium chloride	3165-93-3
12	3,3'-Dimethylbenzidine (4,4'-Bi-o-toluidine)	119-93-7	26	2-Naphthylammoniumacetate	553-00-4
13	4,4'-Methylenedi-o-toluidine (3,3'-Dimethyl-4,4'-diaminodiphenylmethane)	838-88-0	27	4-Methoxy-m-phenylene diammonium sulphate	39156-41-7
14	p-Cresidine	120-71-8	28	2,4,5-Trimethylaniline hydrochloride	21436-97-5

CAS-No. = Chemical Abstracts Service registry number



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List of Phthalates:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Butyl benzyl phthalate (BBP)	85-68-7	14	Diisopentyl phthalate (DIPP)	605-50-5
2	Dibutyl phthalate (DBP)	84-74-2	15	1,2-Benzenedicarboxylic acid Dipentyl ester, branched and linear	84777-06-0
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	16	Dimethoxyethyl phthalate (DMEP)	117-82-8
4	Di-n-octyl phthalate (DNOP)	117-84-0	17	Dinonyl phthalate (DNP)	84-76-4
5	Di-iso-nonyl phthalate (DINP)	28553-12-0	18	Dipropyl phthalate (DPRP)	131-16-8
6	Di-iso-decyl phthalate (DIDP)	26761-40-0	19	Diisooctyl phthalate (DIOP)	27554-26-3
7	Di-isobutyl phthalate (DIBP)	84-69-5	20	1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	68515-48-0
8	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	21	1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	68515-49-1
9	Diethyl phthalates (DEP)	84-66-2	22	Dicyclohexyl phthalate (DCHP)	84-61-7
10	Dimethyl phthalate (DMP)	131-11-3	23	Di-hexylphthalate, branched and linear (DHxP)	68515-50-4
11	Di-n-hexyl phthalate (DNHP)	84-75-3	24	Diisohexyl phthalate (DIHxP)	71850-09-4
12	Di-n-pentyl phthalate (DPENP)	131-18-0	25	1,2 benzenedicarboxylic acid, mixed, decyl and hexyl and octyl diesters	68648-93-1
13	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	26	1,2 benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5

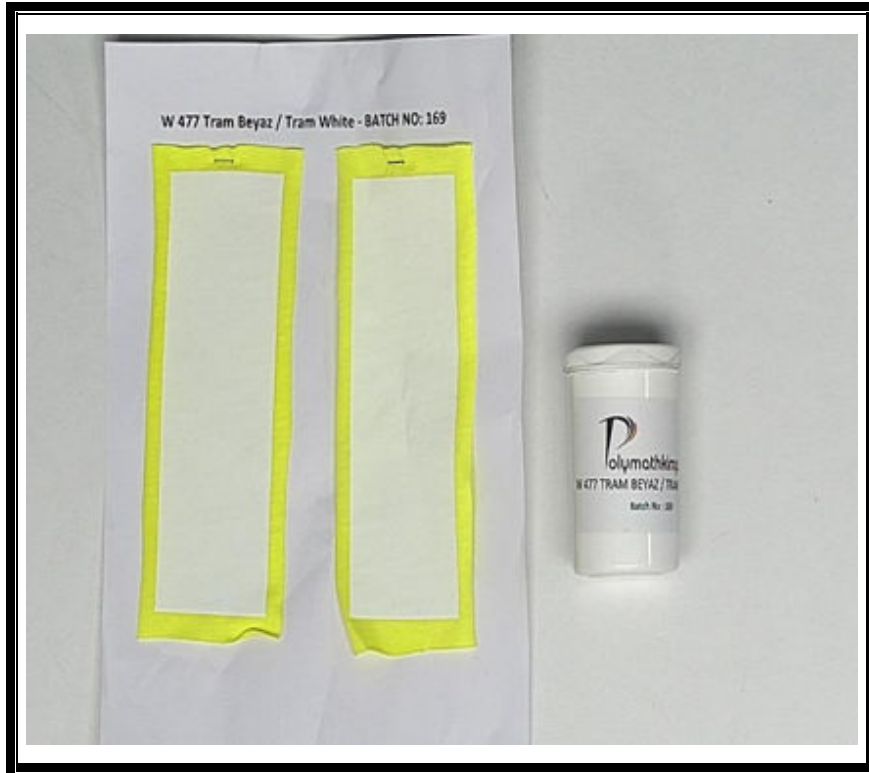
List of Organotin Compounds:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Dibutyltin compounds (DBT)	1002-53-5	5	Trioctyltin (TOT)	250252-89-2
2	Dioctyltin (DOT)	15231-44-4	6	Tripropyltin (TPT)	6028-85-9
3	Tricyclohexyltin (TCyHT)	6056-50-4	7	Triphenyltin (TPhT)	668-34-8
4	Trimethyltin (TMT)	1066-45-1/ 1631-73-8	8	Tributyltin (TBT)	H based: 36643-28-4 Cl complex: 56573-85-4 Cl based: 1461-22-9

APPENDIX

List of Alkylphenols:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenol (OPs)	140-66-9; 1806-26-4; 27193-28-8	2	Nonylphenol (NPs)	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3
List of Alkylphenol Ethoxylates:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenoethoxylates (OPEOs)	9002-93-1; 9036-19-5; 68987-90-6; 2315-67-5; 2315-61-9; 2497-59-8	2	Nonylphenoethoxylates (NPEOs)	9016-45-9 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0

APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES		
TEST NAME	STANDARD NAME	MEASUREMENT UNCERTAINTY
Phthalates	CPSD-AN-00095-MTHD	± %17,03
Organotin Compounds	CPSD-AN-00692-MTHD	± % 20.0
Alkylphenols (AP's) & Alkylphenol Ethoxylates (APEO's) Content	CPSD-AN-00735-MTHD	± % 10,9

Photo of the Submitted Sample



-End of Report-