AB-0716-T
TURT251140583
12-25

TEST REPORT

REPORT NUMBER :	***TURT251140583***
APPLICANT NAME:	***SpandiaTextileSpz.o.o***
SAMPLE DESCRIPTION :	One sample of Promotional lanyard (Text designed for a lapel pin holder)
DATE IN :	***11 December ,2025 17 December ,2025 24 December ,2025***
RESUBMIT DATE :	SUBLIMATION PRINTED PATTERN EUROPE WOMAN & MAN
DATE OUT :	
COLOUR :	
BUYER'S REGION :	
END USE :	

PP

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TEST REPORT

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TEST	SAMPLE
	1
Determination of Certain Aromatic Amines Derived from Azo Colorants	P
Determination of Organotin Compounds	P
Release of Nickel in Direct & Prolonged Skin Contact Post Assemblies	NA
Cadmium Content	P
Determination of Lead Content	P
PAHs - Determination of Poly Aromatic Hydrocarbons	P

P=MEETSBUYER'SREQUIREMENT/F=DOESNOTMEETBUYER'SREQUIREMENT/NR=NOREQUIREMENT /SC=STILL CONTINUES /X=NOTPERFORMED/NA=NOTAPPLICABLE/ LS=LACKOFSAMPLE/NC= NOCOMMENT/I= INCONCLUSIVE / # = SEE RESULT / NF = NEEDS FURTHER TESTING / A = ABSENT / M = MARGINAL ACCEPT / SD = SEE DETAILSENCLOSED / FS:FURTHERSTEPS / MA=MINIMUMAMOUNT

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Test Method	Results	Requirements

DeterminationofCertainAromaticAminesDerivedfromAzo Colorants

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

By Gas Chromatographic - Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.

1-Composite sample of Green, black printed main (with extraction) <30 ppm

		RESULTS
FORBIDDEN AMINE	CAS NO	1
4-AMINOBIPHENYL	92-67-1	N
BENZIDINE	92-87-5	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N
2-NAPHTHYLAMINE	91-59-8	N
*O-AMINOAZOTOLUENE	97-56-3	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N
P-CHLOROANILINE	106-47-8	N
2,4-DIAMINOANISOLE	615-05-4	N
4,4'-DIAMINOBIPHENYLMETHANE	101-77-9	N
3,3'-DICHLOROBENZIDINE	91-94-1	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N
3,3'-DİMETHYL-4,4' DIAMINOBIPHENYLMETHANE	838-88-0	N
P-CRESIDINE	120-71-8	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N
4,4'-OXYDIANILINE	101-80-4	N
4,4'-THIODIANILINE	139-65-1	N
O-TOLUIDINE	95-53-4	N
2,4-TOLUENEDIAMINE	95-80-7	N
2,4,5-TRIMETHYLANILINE	137-17-7	N
O-ANISIDINE	90-04-0	N
**P-AMINOAZOBENZENE	60-09-3	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- phenylendiamine . 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 Uncertainity=(Textile: ±17% Polyester: ±16%)

Test Method	Results	Requirements

DeterminationofOrganotin Compounds

ISO 22744-1

Black plastic clips, black plastic buckle	RESULTS (%,w/w) of tin	REQUIREMENT (%,w/w) of tin
Tri-substituted organotin*	Not Detected	0.1
Dibutyltin (DBT)	Not Detected	0.1
Dioctyltin (DOT)	Not Detected	0.1
White main with green, black print		
Tri-substituted organotin*	Not Detected	0.1
Dibutyltin (DBT)	Not Detected	0.1
Dioctyltin (DOT)	Not Detected	0.1

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

ppm (part per million) =mg / kg
Detection Limit =0.02 ppm
< =Less Than

Estimated Total Uncertainity=(±18%)

CadmiumContent

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	Requirement
Green printed main, black printed main	Not Detected	100 ppm (0.01%)
Black plastic clips, black plastic buckle	Not Detected	100 ppm (0.01%)

Detection Limit: 8 ppm

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

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Hardline

Test Method	*Results*	*Requirements*

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	Requirement
Green printed main, black printed main, white main	Not Detected	500 ppm (0.05%)
Black plastic clips	11 ppm	500 ppm (0.05%)
Black plastic buckle	25 ppm	500 ppm (0.05%)
Silver metal hock	13 ppm	500 ppm (0.05%)
Silver metal pin	13 ppm	500 ppm (0.05%)
Silver metal ring	Not Detected	500 ppm (0.05%)
Silver metal D - ring	18 ppm	500 ppm (0.05%)
Silver metal D - ring pin	20 ppm	500 ppm (0.05%)

.

Detection Limit : 8 ppm

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

Test Method	*Results*	*Requirements*

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 plastic buckle, black plastic clips	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
Green, black printed white main		
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 Uncertainity=(Textile:±15%, Plastic:±16%)

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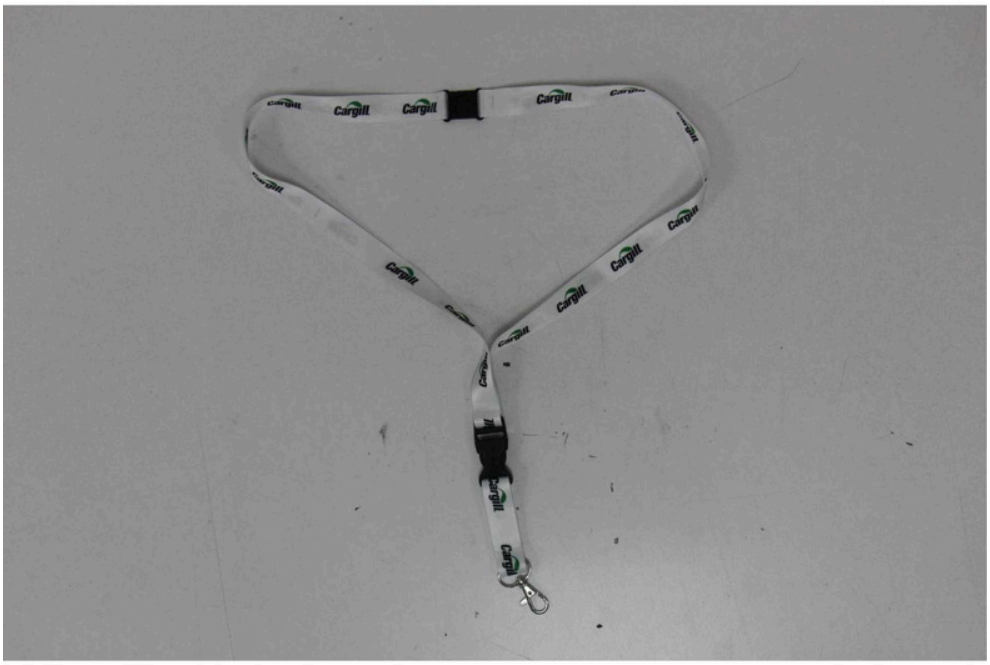
Hardline



END OF TEST REPORT

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