



TEST REPORT

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REPORT NUMBER : *TURT251140584_REVISED01*

APPLICANT NAME : *Spandia Textile Sp z.o.o*

SAMPLE DESCRIPTION : One sample of White text designed beige textile accessory

DATE IN : *11 December, 2025*

RESUBMIT DATE : *26 December, 2025*

DATE OUT : *25 December, 2025 /29 December, 2025*

COLOUR : SUBLIMATION PRINTED PATTERN

BUYER'S REGION : EUROPE

END USE : LADIES & MEN'S EVENT WRISTBAND

NOTE : In this revised 01 report, "Application name" and "attention information" were corrected.

This report replaced the report no TURT251140584 dated on 25 December, 2025 and must be used instead of it.

Report no TURT251140584 dated on 25 December, 2025 is invalid.



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TEST	SAMPLE
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 = 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 DETAIL ENCLOSED / FS:FURTHERSTEPS / MA=MINIMUMAMOUNT

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Test Method	Results	Requirements
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Determination of Certain Aromatic Amines Derived from Azo 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-Beige textile tape (with extraction)

<30 ppm

<u>RESULTS</u>		
<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>1</u>
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'-DIMETHYL-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-aminooazobenzene, generate under the condition of this method aniline and 1,4-phenylenediamine . 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)Azocolorants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009and 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%)

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Test Method	Results	Requirements
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Determination of Organotin Compounds

ISO 22744-1

White designed beige textile tape	RESULTS (% ,w/w) of tin	REQUIREMENT (% ,w/w) of tin
Tri-substituted organotin*	Not Detected	0.1
Dibutyltin (DBT)	Not Detected	0.1
Diocetyltin (DOT)	Not Detected	0.1
Black plastic part	RESULTS (% ,w/w) of tin	REQUIREMENT (% ,w/w) of tin
Tri-substituted organotin*	Not Detected	0.1
Dibutyltin (DBT)	Not Detected	0.1
Diocetyltin (DOT)	Not Detected	0.1

ppm (part per million) $=\text{mg} / \text{kg}$
Detection Limit $=0.02\text{ppm}$
< $=\text{Less Than}$

Estimated Total Uncertainty=(±18%)**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
White designed beige textile tape	Not Detected	8 ppm	100 ppm (0.01%)
Black plastic part	Not Detected	8 ppm	100 ppm (0.01%)

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

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

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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)		
White designed beige textile tape	Result	Detection Limit
White designed beige textile tape	Not Detected	8 ppm
Black plastic part	Not Detected	8 ppm
Silver metal part	Not Detected	8 ppm
500 ppm (0.05%)		
500 ppm (0.05%)		
500 ppm (0.05%)		

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

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

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)

Beige textile tape with white designed	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%)

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<i>Test Method</i>	<i>Results</i>	<i>Requirements</i>

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