



## TEST REPORT

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**REPORT NUMBER :** **TURT251140581**  
**APPLICANT NAME:** **SpandiaTextileSpz.o.o**

**SAMPLE DESCRIPTION :** One sample of Glasses cloth (microfiber).  
**DATE IN :** **11 December ,2025 17 December ,2025**  
**RESUBMIT DATE :** **24 December ,2025** EUROPE GLASSES  
**DATE OUT :** CLOTH  
**BUYER'S REGION :**  
**ACTION PRODUCT**  
**CATEGORY :**

PP

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TEST	SAMPLE
	1
Determination of Certain Aromatic Amines Derived from Azo Colorants	P
Determination of Organotin Compounds	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/= INCONCLUSIVE / # = SEE RESULT / NF = NEEDS FURTHER TESTING / A = ABSENT / M = MARGINAL ACCEPT / SD = SEE DETAILSENCLOSED / FS:FURTHERSTEPS / MA=MINIMUMAMOUNT**

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RESULTS  
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Test Method	Results	Requirements
<b>Determination of Certain Aromatic Amines Derived from Azo Colorants</b>		
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-Blue printed fabric (with extraction)		<30 ppm

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>RESULTS</u>
4-AMINOBIIPHENYL	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'-DIAMINOBIIPHENYLMETHANE	101-77-9	N
3,3'-DICHLOBENZIDINE	91-94-1	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N
3,3'-DIMETHYL-4,4' DIAMINOBIIPHENYLMETHANE	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- 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-Diaminoanisoole 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

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White main with blue printed fabric	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

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 Uncertainty=( ±18%)

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**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)

White main with blue printed fabric	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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## END OF TEST REPORT ##