


CERTEST

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RECEIPT 08/08/2017

TESTING DATES FROM 08/08/2017 TO 16/08/2017

COMMITTENT
BESANI SRL
VIA PER GALLARATE 50/A
21010 BESNATE VA

LABORATORY REPORT n° 1719959 of 16/08/2017

DENOMINATION	Analyses purchased by: RIVA MARIO Article: TESSUTI A MAGLIA DI COTONE TINTO E MERCERIZZATO IN FILO NON NOBILITATI Colour: ARANCIO 7104 BAGNO 5711 Application: Apparel Type of Material: Textile	Category: POLO-T-SHIRTS Season: / Notes: 100% COTONE - SOLO MERCERIZZATO E TINTO IN FILO Sampling: done by the client
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Sample 01

Test	Pass	Fail	Failure result
Determination of Chlorophenols content - Test Method: UNI EN ISO 17070: 2015	X		
Detection of the use of certain Azo colorants accessible with and without extracting the fibres - Test Method: UNI EN 14362-1: 2012	X		
Determination of Organotin Compounds in footwear materials - Test Method: UNI CEN ISO TS 16179: 2012	X		
Determination of ethoxylated alkylphenols. Part 2: indirect method - Test Method: ISO 18218-2: 2015	X		
Determination of chlorinated hydrocarbons in leather. Chromatographic method for short-chain chlorinated paraffins (SCCP). - Test Method: UNI EN ISO 18219: 2015	X		
Perfluorinated surfactants - Test Method: UNI CEN TS 15968: 2010	X		
Detection of disperse dyestuffs - Test Method: DIN 54231: 2005	X		
Determination of the phthalate content - Tetrahydrofuran method - Test Method: UNI EN ISO 14389: 2014	X		
Method for the detection and determination of alkylphenoethoxylates (APEO) - Test Method: ISO 18254: 2016	X		
Determination of head-space volatile solvents Inhouse Method: IOP 47: 2016 Rev00	X		
Textiles - Determination of metals content - Part 1: Determination of metal with microwave digestions; German version DIN EN 16711-1:2014	X		
Determination of Perfluorinated Compounds Inhouse Method: CPSD-AN-00668 V9	X		
Determination of FTOH in coated material by GC-MS Inhouse Method: CPSD-AN-00667 V8	X		
Determination of the content of bonds based on chlorobenzene and chlorotoluene - Test Method: DIN 54232: 2010	X		
Gb Extractable Heavy Metal in Textile GB 17593.2 (modified) & Cr (VI) GB 17593.3 (modified) - Inhouse Method: CPSD-AN-00212-MTHD ver 6	X		

Continuing...

Approved on behalf of BUREAU VERITAS CERTEST srl by:
Dr. Verena BARTALINI – Laboratory Manager



LAB N. 1480



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Pass = Meets Buyer's requirements

Fail = Does not meet Buyer's requirements

-- = Buyer's requirements not defined

The values in brackets represent requirements stated in the document named in the "Requirements" field of the "Denomination" section

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TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	Sample 1719959.01						
Method for the detection and determination of alkylphenoethoxylates (APEO) - Test Method: ISO 18254: 2016 <u>Operating Conditions</u> - Solvent extraction - Determination by LC-MS analysis	Nonylphenoethoxylates, n=2 to n=18 Octylphenoethoxylates, n=2 to n=16	< L.O.Q. < L.O.Q.	<1 <1	mg/kg mg/kg	1 1		Pass Pass
Determination of ethoxylated alkylphenols. Part 2: indirect method - Test Method: ISO 18218-2: 2015 <u>Operating Conditions</u> - Solvent extraction - Determination by GC-MS analysis	NP OP	< L.O.Q. < L.O.Q.	<1 <1	mg/kg mg/kg	1 1		Pass Pass
Determination of chlorinated hydrocarbons in leather. Chromatographic method for short-chain chlorinated paraffins (SCCP). - Test Method: UNI EN ISO 18219: 2015 <u>Operating Conditions</u> - Ultrasonic extraction procedure: 60° C for 1h. - Determination by GC-ECNI-MS analysis.	Amount of extracted SCCP (C10-C13) (CAS N.85535-84-8)	< L.O.Q.	<10	mg/kg	10		Pass
Textiles - Determination of metals content - Part 1: Determination of metal with microwave digestions; German version DIN EN 16711-1:2014 <u>Operating Conditions</u> - Microwave digestion - Determination by ICP-MS analysis	Heavy Metals Total Cadmium [Cd] Content Total Lead [Pb] Content Total Chromium [Cr] Content Total Mercury [Hg] Content	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.	<0,02 <0,5 <0,06 <0,001	mg/kg mg/kg mg/kg mg/kg	0,02 0,5 0,06 0,001		Pass Pass Pass Pass

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TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
Determination of the phthalate content - Tetrahydrofuran method - Test Method: UNI EN ISO 14389: 2014 <u>Operating Conditions</u> - Extraction in ultrasonic bath - Detection by GC-MS analysis	Dibutyl Phthalate (DBP) (CAS N. 84-74-2)	< L.O.Q.	<0,001	%	0,001		Pass
	Bis-2-Ethylhexyl Phthalate (DEHP) (CAS N. 117-81-7)	< L.O.Q.	<0,001	%	0,001		Pass
	Butyl Benzil Phthalate (BBP) (CAS N. 85-68-7)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-iso-nonyl Phthalate (DINP) (CAS N. 68515-48-0)	< L.O.Q.	<0,01	%	0,01		Pass
	Di-n-octyl Phthalate (DnOP) (CAS N. 117-84-0)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-iso-decyl Phthalate (DIDP) (CAS N. 68515-49-1)	< L.O.Q.	<0,01	%	0,01		Pass
	Di-isobutyl Phthalate (DIBP) (CAS N. 84-69-5)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-n-hexyl Phthalate (DnHP) (CAS N. 84-75-3)	< L.O.Q.	<0,001	%	0,001		Pass
	Bis (2-Methoxyethyl) Phthalate (DMEP) (CAS N.117-82-8)	< L.O.Q.	<0,001	%	0,001		Pass
	Diundecil Phthalate (DHNUP) (CAS N. 68515-42-4)	< L.O.Q.	<0,01	%	0,01		Pass
	Di-isoheptyl Phthalate (DIHP) (CAS N. 71888-89-6)	< L.O.Q.	<0,001	%	0,001		Pass
	Dipentyl Phthalate (DPP) (CAS N. 131-18-0)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-isopentyl Phthalate (DIPP) (CAS N. 605-50-5)	< L.O.Q.	<0,001	%	0,001		Pass
	N-pentyl-isopentyl phthalate (NPIPP) (CAS 776297-69-9)	< L.O.Q.	<0,001	%	0,001		Pass
	Dinonyl phthalate (DNP) (*)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-n-propyl phthalate (DPRP) (*)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-cyclohexyl phthalate (DCHP) (CAS N.84-61-7) (*)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-iso-octyl phthalate (DIOP) (*)	< L.O.Q.	<0,001	%	0,001		Pass
Detection of the use of certain Azo colorants accessible with and without extracting the fibres - Test Method: UNI EN 14362-1: 2012 <u>Operating Conditions</u> - Quantitative Detection: GC-MS - Confirmation by LC-DAD+LC MS	Aromatic amines derived from azodyes on fabric 4-Aminobiphenyl (CAS N 92-67-1)	< L.O.Q.	<5	mg/kg	5	(1)	Pass
	Benzidine (CAS 92-87-5)	< L.O.Q.	<5	mg/kg	5		Pass
	4-Chloro-o-toluidine (CAS N. 95-69-2)	< L.O.Q.	<5	mg/kg	5		Pass

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TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	2-Naphthylamine (CAS N. 91-59-8)	< L.O.Q.	<5	mg/kg	5	(1)	Pass
	o-Aminoazotoluene (CAS 97-56-3)	< L.O.Q.	<5	mg/kg	5		Pass
	5-nitro-o-toluidine	< L.O.Q.	<5	mg/kg	5		Pass
	4-Chloroaniline (CAS N. 106-47-8)	< L.O.Q.	<5	mg/kg	5		Pass
	4-methoxy-m-phenylenediamine (CAS 615-05-04)	< L.O.Q.	<5	mg/kg	5		Pass
	4,4'-methylenedianiline (CAS 101-77-9)	< L.O.Q.	<5	mg/kg	5	MDA	Pass
	3,3'-Dichlorobenzidine (CAS N. 91-94-1)	< L.O.Q.	<5	mg/kg	5		Pass
	3,3'-Dimethoxybenzidine (CAS N. 119-90-4)	< L.O.Q.	<5	mg/kg	5		Pass
	3,3'-Dimethylbenzidine (CAS N. 119-93-7)	< L.O.Q.	<5	mg/kg	5		Pass
	4,4'-methylenedi-o-toluidine (CAS N. 838-88-0)	< L.O.Q.	<5	mg/kg	5		Pass
	p-cresidine	< L.O.Q.	<5	mg/kg	5		Pass
	4,4'-Methylene-bis-(2-chloroaniline) (CAS N. 101-14-4)	< L.O.Q.	<5	mg/kg	5		Pass
	4,4'-Oxydianiline (CAS N 101-80-4)	< L.O.Q.	<5	mg/kg	5		Pass
	4,4'-Thiodianiline (CAS N. 139-65-1)	< L.O.Q.	<5	mg/kg	5		Pass
	o-Toluidine	< L.O.Q.	<5	mg/kg	5		Pass
	4-methyl-m-phenylenediamine (CAS 95-80-7)	< L.O.Q.	<5	mg/kg	5	TDA	Pass
	2,4,5-Trimethylaniline (CAS N. 137-17-7)	< L.O.Q.	<5	mg/kg	5		Pass
	o-anisidine (CAS 90-04-0)	< L.O.Q.	<5	mg/kg	5		Pass
	4-Aminoazobenzene (CAS N. 60-09-3)	< L.O.Q.	<5	mg/kg	5		Pass
	2,4- Xylidine (CAS 95-68-1)	< L.O.Q.	<5	mg/kg	5		Pass
	2,6-Xylidine (CAS N. 87-62-7)	< L.O.Q.	<5	mg/kg	5		Pass
Determination of head-space volatile solvents Inhouse Method: IOP 47: 2016 Rev00 Operating Conditions - Extraction Headspace - Determination GC-MS	Chlorinated Solvents Dichloromethane (CAS N.75-09-2) (*) Chloroform (CAS N. 67-66-3) (*) Tetrachloromethane (CAS N. 56-23-5) (*) 1,1,2-Trichloroethane (CAS N. 56-23-5) (*) 1,1-Dichloroethane (CAS N. 75-34-3) (*) 1,2-Dichloroethane (CAS N. 107-06-2) (*) Trichloroethylene (CAS N. 79-01-6) (*) Perchloroethylene (CAS N.127-18-4) (*)	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.	<1 <1 <1 <1 <1 <1 <1 <1	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	1 1 1 1 1 1 1 1		Pass Pass Pass Pass Pass Pass Pass Pass

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TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	1,1,1-Trichloroethane (CAS N.71-55-6) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,1,1,2-Tetrachloroethane (CAS N. 630-20-6) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,1,2,2-Tetrachloroethane (CAS N. 79-34-5) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	Pentachloroethane (CAS N.76-01-7) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,1-Dichloroethylene (CAS N. 75-35-4) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,2,3-Trichloropropane (CAS N96-18-4) (*)	< L.O.Q.	<1	mg/kg	1		Pass
Determination of Chlorophenols content - Test Method: UNI EN ISO 17070: 2015 <u>Operating Conditions</u> - Detection by GC-MS analysis	Pentachlorophenol (PCP) (CAS N. 87-86-5)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,4,6-Trichlorophenol	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	3,4,5-TriChlorophenol (3,4,5-TCP) & 2,3,4-TriChlorophenol (2,3,4-TCP)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,3,5-TriChlorophenol (2,3,5-TCP) (CAS N. 933-78-8)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,3,6-TriChlorophenol (2,3,6-TCP) (CAS N. 933-75-5) & 2,4,5-TriChlorophenol (2,4,5-TCP) (CAS N95-95-4)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,3,5,6-TetraChlorophenol (2,3,5,6-TeCP) (CAS N. 935-95-5)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,3,4,6-TetraChlorophenol (2,3,4,6-TeCP) (CAS N. 58-90-2)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,3,4,5-Tetrachlorophenol	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,4- Dichlorophenol (CAS N. 120-83-2) (*)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,5 Dichlorophenol (CAS N.583-78-8) (*)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	3,5- Dichlorophenol (CAS N.591-35-5) (*)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	2,3- Dichlorophenol (CAS N.576-24-9) (*)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	3,4- Dichlorophenol (CAS N.95-77-2) (*)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
	Monochlorphenol (*)	< L.O.Q.	<0,05	mg/kg	0,05		Pass
Determination of Organotin Compounds in footwear materials - Test Method: UNI CEN ISO TS 16179: 2012 <u>Operating Conditions</u> - Methanol extraction + derivatization - Detection by GC-MS analysis	Organotin compounds Dibutyl tin (DBT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass

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	Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA) (CAS N.172155-07-6) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	7H-dodecafluoroheptanoic acid (HPFHpA) (CAS N.1546-95-8) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	2H,2H,3H,3H-perfluoroundecanoic acid (H4PFUnA) (CAS N.34598-33-9) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	1H,1H,2H,2H-Perfluorooctanesulphonic acid (1H,1H,2H,2H-PFOS) (CAS N 27619-97-2) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) (CAS N.1691-99-2) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	1H,1H,2H,2H-perfluorooctylacrylate (6:2 FTA) (CAS N. 17527-29-6) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	1H,1H,2H,2H-perfluorododecylacrylate (8:2 FTA) (CAS N.27905-45-9) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	1H,1H,2H,2H-perfluorododecylacrylate (10:2 FTA) (CAS N.17741-60-5) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorooctane sulfonamide (PFOSA) (CAS N. 754-91-6) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) (CAS N.31506-32-8) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) (CAS N. 4151-50-2) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) (CAS N. 24448-09-7) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoro-1-octanesulfonyl fluoride (POSF) (CAS N. 307-35-7) (*)	< L.O.Q.	<1	µg/m2	1		Pass
Determination of FTOH in coated material by GC-MS Inhouse Method: CPSD-AN-00667 V8 Operating Conditions -Solvent extraction and determination by GC-MS QQQ							
	2- Perfluorobutylethanol (4:2 FTOH) (CAS N.2043-47-2) (*)	< L.O.Q.	<1	µg/m2	10		Pass
	2- Perfluorohexylethanol (6:2 FTOH) (CAS N.647-42-7) (*)	< L.O.Q.	<1	µg/m2	10		Pass
	2-Perfluorooctylethanol (8:2 FTOH) (CAS N.678-39-7) (*)	< L.O.Q.	<1	µg/m2	10		Pass
	2-Perfluorododecylethanol (10:2 FTOH) (CAS N865-86-1) (*)	< L.O.Q.	<1	µg/m2	10		Pass

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TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
Detection of disperse dyestuffs - Test Method: DIN 54231: 2005 <u>Operating Conditions</u> - Solvent extraction - Determination by LC-MS analysis	Allergenic Dyes						
	Acid Red 114 (CAS N. 3761-53-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Acid Red 26 (CAS N. 3761-53-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Basic Blue 26 (CAS N. 2580-56-5) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Basic Green 4 (CAS N. 569-64-2) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Basic Red 9 (CAS N. 569-61-9) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Basic Violet 14 (CAS N. 632-99-5) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Direct Black 38 (CAS N. 1937-37-7) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Direct Blue 6 (CAS N. 2602-46-2) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Direct Brown 95 (CAS N.16071-86-6) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Direct Red 28 (CAS N. 573-58-0) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 1 (CAS N. 2475-45-8) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 102 (CAS N. 12222-97-8) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 106 (CAS N. 12223-01-7)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 124 (CAS N. 61951-51-7)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 26 (CAS N. 3860-63-7) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 3 (CAS N. 2475-46-9) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 7 (CAS N. 3179-90-6) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Brown 1 (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Orange 1 (CAS N. 2581-69-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Orange 3 (CAS N. 730-40-5)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Orange 11 (CAS N. 82-28-0)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Orange 149 (CAS N. 151126-94-2) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Orange 37/59/76 (CAS N. 13301-61-6) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Red 1 (CAS N. 2872-52-8)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Red 11 (CAS N. 2872-48-2) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Red 17 (CAS N. 3179-89-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Yellow 1 (CAS N. 119-15-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Yellow 3 (CAS N. 2832-40-8)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Yellow 9 (CAS N. 6373-73-5) (*)	< L.O.Q.	<10	mg/kg	10		Pass

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 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


CERTEST

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TESTING DATES FROM 08/08/2017 TO 16/08/2017

COMMITTENT
BESANI SRL
VIA PER GALLARATE 50/A
21010 BESNATE VA
LABORATORY REPORT n° 1719959 of 16/08/2017

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	Disperse Yellow 23 (CAS N. 6250-23-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Yellow 39 (CAS N. 12236-29-2) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Yellow 49 (CAS N. 54824-37-2) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Solvent Yellow 2 (CAS N. 60-11-7) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Acid Violet 49 (CAS N. 1624-09-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Basic Violet 1 (CAS N. 8004-87-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Direct Blue 15 (CAS N. 2429-74-5) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Direct Blue 218 (CAS N.28407-37-6) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Disperse Blue 35 (CAS N. 12222-75-2)	< L.O.Q.	<10	mg/kg	10		Pass
	Solvent Yellow 1 (CAS N. 60-09-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Solvent Yellow 14 (CAS N. 842-07-9) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	Solvent Yellow 3 (CAS N. 97-56-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
Gb Extractable Heavy Metal in Textile GB 17593.2 (modified) & Cr (VI) GB 17593.3 (modified) - Inhouse Method: CPSD-AN-00212-MTHD ver 6 <u>Operating Conditions</u> - Acid Sweat Extraction - Determination by analysis UV-VIS	Total Hexavalent Chromium (Cr-VI) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass

Continuing...

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Notes

< L.O.Q.: Not detectable analytically

(1) = If the use of this analytical method has detected 4-aminodiphenyl and/or 2-naphthylamine, according to the current state of knowledge it cannot be unequivocally confirmed without additional information that azo colorants which release amines were used.

MDA =

In case of polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

TDA = In case of polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 2,4-toluen-diamine (TDA, CAS 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of non-indication from the client of the category of the material to be tested, the laboratory will identify it and will test it according to the specifics of the defined category.

" The assessment is obtained by the comparison between the Result of the analysis ("Result" column) and the required Limit ("Limit" column).

Limits: Values indicated in the Limits column refer to the requirements stated in the document named in the "Requirements" field of the "Denomination" section

U.M.: Units of Measurement

L.O.Q.: Limit of Quantification

Assess.: Assessment

Pass: the test result is conform to the standard required

Fail: the test result is not conform to the standard required

N/A: it is not possible to carry out the test, or the test result can not be defined as "Pass" or "Fail"

The evaluations of change in color are carried out in accordance with ISO 105-A02 (or GB/T 250 for Chinese market methods), the evaluations of color staining are carried out in accordance with ISO 105-A03 (or GB/T 251 for Chinese market methods).

BWS: Blue Wool Scale

GSR: Grey Scale Rating

The tests marked by an asterisk (*) are not part of the ACCREDIA accreditation.

Opinions and interpretations are not part of the ACCREDIA accreditation.

This report has been issued by Certest s.r.l. quality system and well documented by our own quality manual and related procedures. Results reported have been achieved applying rules and/or technical procedures specified in the following pages and they refer only to the sample submitted to tests in our laboratory and not the whole lot they represent. Reproduction of this document is allowed only with an exact copy of the original. Partial reproduction of this documents allowed subject to Certest s.r.l. approval and is registered with the referring report number. Only the original report is valid and partial re production of this document is allowed subject to Certest s.r.l. approval and is registered with the referring report number. The use of this report in a judicial process must be expressly authorized by Certest srl. The records related to the analyzes carried out are retained for a period of 48 months. Samples tested are stored for one year if not otherwise required.

The expanded uncertainty (U) is calculated with a coverage factor k=2 for a confidence level of 95% and a number of degrees of freedom greater than or equal to 10.

Whenever the supplied sample amount is not enough to perform all the trials required by the Method, the laboratory will perform the higher number of tests with the provided material.

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