CERTEST

RECEIPT 05/10/2017

TESTING DATES FROM 05/10/2017 TO 12/10/2017

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

LABORATORY REPORT n° 1723721 of 12/10/2017

DENOMINATION
Analyses purchased by: RIVA MARIO
Article: TESSUTI A MAGLIA DI COTONE TINTO E MERCERIZZATO IN FILO ,RIMERCERIZZATI E SANFORIZZATI IN PEZZA
Colour: 1400 COL 04 BASE F0006
Application: Apparel
Type of Material: Textile

Category: POLO-T-SHIRTS
Season: /
Notes: 100% COTONE -MERCERIZZATO E TINTO IN FILO MERCERIZZATO NUOVAMENTE IN PEZZA
Requirements: DETOX PROGRAM
Sampling: done by the client

Sample 01

Test	Pass	Fail	Failure result
Method for the detection and determination of alkylphenolethoxylates (APEO) - Test Method: ISO 18254: 2016	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		
Textiles - Determination of metals content - Part 1: Determination of metal with microwave digestions; German version DIN EN 16711-1:2014	X		
Determination of the phthalate content - Tetrahydrofuran method - Test Method: UNI EN ISO 14389: 2014	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 head-space volatile solvents Inhouse Method: IOP 47: 2016 Rev00	X		
Determination of Chlorophenols content - Test Method: UNI EN ISO 17070: 2015	X		
Determination of Organotin Compounds in footwear materials - Test Method: UNI CEN ISO TS 16179: 2012	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		
Perfluorinated surfactants - Test Method: UNI CEN TS 15968: 2010	X		
Determination of the content of bonds based on chlorobenzene and chlorotoluene - Test Method: DIN 54232: 2010	X		
Detection of disperse dyestuffs - Test Method: DIN 54231: 2005	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

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ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO
LAB N. 1480

ORDINE DEI CHIMICI – Dr. VERENA BARTALINI – 1866 – CHIMICO – TOSCANA

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

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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 1723721.01						
Method for the detection and determination of alkylphenolethoxylates (APEO) - Test Method: ISO 18254: 2016 Operating Conditions - Solvent extraction - Determination by LC-MS analysis	**Nonylphenolethoxylates, n=2 to n=18**	< L.O.Q.	<1	mg/kg	1		Pass
	Octylphenolethoxylates, n=2 to n=16	< L.O.Q.	<1	mg/kg	1		Pass
Determination of ethoxylated alkylphenols. Part 2: indirect method - Test Method: ISO 18218-2: 2015 Operating Conditions - Solvent extraction - Determination by GC-MS analysis	**NP**	< L.O.Q.	<1	mg/kg	1		Pass
	OP	< L.O.Q.	<1	mg/kg	1		Pass
Determination of chlorinated hydrocarbons in leather. Chromatographic method for short-chain chlorinated paraffins (SCCP). - Test Method: UNI EN ISO 18219: 2015 Operating Conditions - 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 Operating Conditions - Microwave digestion - Determination by ICP-MS analysis	**Heavy Metals**						
	Total Cadmium [Cd] Content	< L.O.Q.	<0,02	mg/kg	0,02		Pass
	Total Lead [Pb] Content	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	Total Mercury [Hg] Content	< L.O.Q.	<0,001	mg/kg	0,001		Pass

Continuing...

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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 Operating Conditions - 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-Etylhexyl 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-octyll Phthalate (DnOP) (CAS N. 117-84-0)	< L.O.Q.	<0,001	%	0,001		Pass
	Di-iso-decil 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 Operating Conditions - 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

Continuing...

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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 (CAS 99-55-8)	< 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 (CAS 120-71-8)	< 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 (CAS 95-53-4)	< 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) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	Chloroform (CAS N. 67-66-3) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	Tetrachloromethane (CAS N. 56-23-5) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,1,2-Trichloroethane (CAS N. 56-23-5) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,1-Dichloroethane (CAS N. 75-34-3) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	1,2-Dichloroethane (CAS N. 107-06-2) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	Trichloroethylene (CAS N. 79-01-6) (*)	< L.O.Q.	<1	mg/kg	1		Pass
	Perchloroethylene (CAS N.127-18-4) (*)	< L.O.Q.	<1	mg/kg	1		Pass

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	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 Operating Conditions - 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 (2,4,6-TCP) (CAS N. 88-06-2)	< 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) (CAS N.609-19-8 & 15950-66-0)	< 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 (2,3,4,5-TeCP) (CAS N. 4901-51-3)	< 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

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ORDINE DEI CHIMICI DR. VERENA BARTALINI 1866 CHIMICO TOSCANA

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TEST METHOD	PARAMETER	RESULT '	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
Determination of Organotin Compounds in footwear materials - Test Method: UNI CEN ISO TS 16179: 2012 Operating Conditions - Methanol extraction + derivatization - Detection by GC-MS analysis	**Organotin compounds**						
	Dibutyl tin (DBT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Dimethyltin (DMT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Dioctyl tin (DOT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Diphenyltin (DPT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Methyl tin (MeT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Monobutyl tin (MBT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Monooctyl tin (MOT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Phenyltin tin (TPhT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Tetrabutyl tin (TeBT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Tetraethyltin (TeET) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Tributyl tin (TBT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Tricyclohexyltin (TCyHT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Trimethyl tin (TMT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Trioctyltin (TOT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Triphenyl tin (TPhT)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
	Tripropyltin (TPT) (*)	< L.O.Q.	<0,2	mg/kg	0,2		Pass
Determination of Perfluorinated Compounds Inhouse Method: CPSD-AN-00668 V9 Operating Conditions -Solvent extraction and determination by LC-MS QQQ+ GC-MS QQQ	**Perfluorinated Chemicals (PFCs)**						
	Perfluoro-n-octanoic acid (PFOA) (CAS N. 335-67-1) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoro-n-nonanoic acid (PFNA) (CAS N. 375-95-1) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorobutanesulfonic acid (PFBS) (CAS N.59933-66-3) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorohexanesulfonic acid (PFHxS) (CAS N.355-46-4) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoro-n-hexanoic acid (PFHxA) (CAS N. 307-24-4) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorobutyric acid (PFBA) (CAS N.375-22-4) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoro-n-heptanoic acid (PFHpA) (CAS N.375-85-9) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoro-n-decanoic acid (PFDA) (CAS N.335-76-2) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoroundecanoic acid (PFUnA) (CAS N.2058-94-8) (*)	< L.O.Q.	<1	µg/m2	1		Pass

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	Perfluorododecanoic acid (PFDoA) (CAS N.307-55-1) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorotridecanoic acid (PFTrA) (CAS N.72629-94-8) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorotetradecanoic acid (PFTeA) (CAS N.376-06-7) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluoro-1- heptanesulfonic acid (PFHpS) (CAS N.375-92-8) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	Perfluorodecanesulfonic acid (PFDS) (CAS N.335-77-3) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	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-perfluoroctylacrylate (6:2 FTA) (CAS N. 17527-29-6) (*)	< L.O.Q.	<1	µg/m2	1		Pass
	1H,1H,2H,2H-perfluorodecylacrylate (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-octansulfonamide (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

Continuing...

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

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ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N. 1480

ORDINE DEI CHIMICI DR. VERENA BARTALINI 1866 CHIMICO TOSCANA

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

CERTEST

RECEIPT 05/10/2017

TESTING DATES FROM 05/10/2017 TO 12/10/2017

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

LABORATORY REPORT n° 1723721 of 12/10/2017

TEST METHOD	PARAMETER	RESULT '	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	2-Perfluorodecylethanol (10:2 FTOH) (CAS N865-86-1) (*)	< L.O.Q.	<1	µg/m2	10		Pass
Perfluorinated surfactants - Test Method: UNI CEN TS 15968: 2010 Operating Conditions - Methanol ultrasonic extraction, 2h at 60°C - Determination by LC-MS MS	Perfluorooctanesulfonic acid (PFOS) (CAS N.1763-23-1)	< L.O.Q.	<1	µg/m2	1		Pass
Determination of the content of bonds based on chlorobenzene and chlorotoluene - Test Method: DIN 54232: 2010 Operating Conditions - Solvent extraction - Determination by GC-MS analysis	**1,2-Dichlorobenzene (CAS N.95-50-1) (*)**	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,3-Dichlorobenzene (CAS N.541-73-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,4-Dichlorobenzene (CAS N.106-46-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,2,3-Trichlorobenzene (CAS N.87-61-6) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,2,4 Trichlorobenzene (CAS N.120-82-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,3,5-Trichlorobenzene (CAS N.108-70-3) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,2,3,4-Tetrachlorobenzene (CAS N.634-66-2) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1,2,3,5-Tetrachlorobenzene (CAS N.634-90-2), 1,2,4,5-Tetrachlorobenzene (CAS N.95-94-3) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Pentachlorobenzene (CAS N.608-93-5) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Hexachlorobenzene (CAS N.118-74-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Chlorobenzene (CAS N.108-90-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	a,a-Dichlorotoluene (CAS N.98-87-3) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	alpha, alpha, alpha 4-tetrachlorotoluene (CAS N.5216-25-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Benzotrichloride (CAS N.98-07-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Benzyl-chloride (CAS N.100-44-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass

Continuing...

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LABORATORY REPORT n° 1723721 of 12/10/2017

TEST METHOD	PARAMETER	RESULT '	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
Detection of disperse dyestuffs - Test Method: DIN 54231: 2005 Operating Conditions - Solvent extraction - Determination by LC-MS analysis	**Allergenous 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 (CAS N. 23355-64-8) (*)	< 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

Continuing...

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ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO
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CERTEST

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TESTING DATES FROM 05/10/2017 TO 12/10/2017

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

LABORATORY REPORT n° 1723721 of 12/10/2017

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. 1694-09-3) (*)	< 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 Operating Conditions - Acid Sweat Extraction - Determination by analysis UV-VIS	**Total Hexavalent Chromium (Cr-VI) (*)**	< L.O.Q.	<0,5	mg/kg	0,5		Pass

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ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N. 1480

ORDINE DEI CHIMICI – Dr. VERENA BARTALINI – 1866 – CHIMICO – TOSCANA

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LABORATORY REPORT n° 1723721 of 12/10/2017

Notes
< L.O.Q.: Not detectable analytically
(1) = If the use of this analytical method has detected 4-aminodiphenyl and/or 2-naphtylamine, 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.

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

ORDINE DEI CHIMICI · DR. VERENA BARTALINI · 1866 · CHIMICO · TOSCANA

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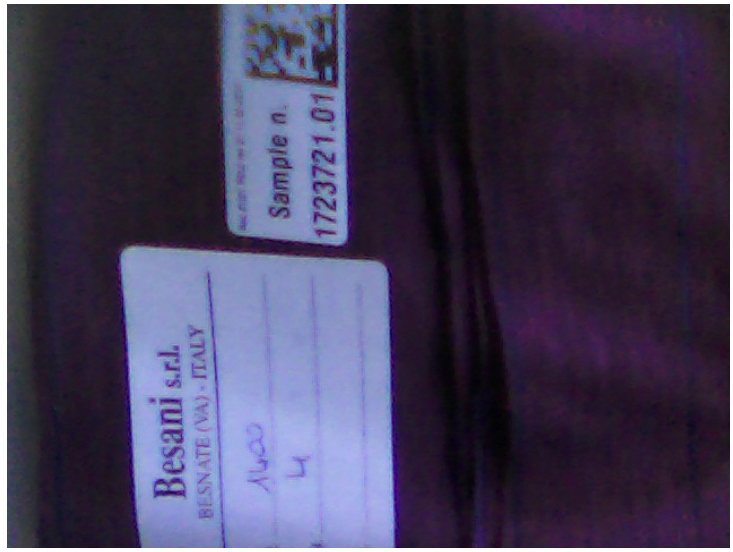
BESANI SRL
VIA PER GALLARATE 50/A
21010 BESNATE VA

LABORATORY REPORT n° 1723721 of 12/10/2017



Approved on behalf of BUREAU VERITAS CERTEST srl by:
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