

**MESSRS:**  
**TEXMODA TESSUTI Srl**  
**Via dei Pioppi, 18/22**  
**59100 PRATO (PO)**

**REPORT NR.** 2003528-001  
**REPORT DATE** 20/10/2020  
**ACCEPTANCE DATE** 06/10/2020  
**START TEST DATE** 06/10/2020  
**END TEST DATE** 20/10/2020  
**SAMPLING BY CUSTOMER**

## TEST REPORT

SAMPLE DESCRIPTION FABRIC ART. 28039/JERSEY COL. 11731

THE REPORT IS MADE BY THE FOLLOWING TESTS:

TEST	METHOD	ACCREDIA
4020001 Determination of phtalate content	UNI EN ISO 14389:2014	
4019051 Presence of total heavy metals	EN 1122:2001	*
4019021 Research and dosing of Hexavalent Chromium (CrVI)	BS 6810-1:1987 sez. 4 e 8.5	
4016001 Detection of aromatic amines derived from azo colorants accessible with and without extracting the fibers	UNI EN ISO 14362-1:2017	
4051001 Polifluorinated compounds (PFC's)	UNI CEN/TS 15968:2010	
4033002 Research and dosing of Alkylphenol-ethoxylated (APEO's)	ISO 18254-1:2016	
4033001 Research and dosing of Alkylphenols (AP's)	UNI EN ISO 18218-2:2019	

**Technical Manager**

Dott.ssa Valentina Guidotti



**Managing Director**

Patrizia Rosati



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## NOTES ANALYTICAL TESTS

- **4020001 Determination of phthalate content** **UNI EN ISO 14389:2014**  
Limit of Quantification (LOQ) DBP, DEHP, DIBP, DPP, DNHP, DCHP, BBP: 10,0 mg/kg.  
Limit of Quantification (LOQ) DNOP: 15,0 mg/kg  
Limit of Quantification (LOQ) DINP, DIDP, DIHO, DMEP: 50,0 mg/kg  
Instrument: GC-MS
- **4019051 Presence of total heavy metals** **EN 1122:2001**  
Detection method: atomic emission spectroscopy (ICP-OES); N.D.: Not detectable; Limit of detection: 1,0 mg/kg.
- **4019021 Research and dosing of Hexavalent Chromium (CrVI)** **BS 6810-1:1987 sez. 4 e 8.5**  
Limit of Detection (LOD): 1,0 mg/kg.
- **4016001 Detection of aromatic amines derived from azo colorants accessible with and without extracting the fibers** **UNI EN ISO 14362-1:2017**  
N.d. - Not detectable; Instrument: LC-MS; Limit of Detection (LOD): 1 mg/kg each.  
Qualitative composition declared by the customer: natural and synthetic blend.  
According to the declared composition it has been performed an extraction by Xylene on synthetic fibers, instead this extraction has not been performed on natural fibers.
- **4051001 Polifluorinated compounds (PFC's)** **UNI CEN/TS 15968:2010**  
Detection limit (LOD): 0,025 µg/m<sup>2</sup>; Limit of Quantification (LOQ): 0,125 µg/m<sup>2</sup>.
- **4033002 Research and dosing of Alkylphenol-ethoxylated (APEO's)** **ISO 18254-1:2016**  
Limit of Detection (LOD): 1,0 mg/kg; Analytical instrument: LC-MSMS.
- **4033001 Research and dosing of Alkylphenols (AP's)** **UNI EN ISO 18218-2:2019**  
Limit of Detection (LOD): 1,0 mg/kg; Analytical instrument: GC-MS.  
Test was performed with just the AP's detection, as per request of the customer.  
The test was performed in derogation from the standard on a textile matrix at the request of the customer.

## GENERAL NOTES

Quanto dichiarato in descrizione del campione è sotto la piena responsabilità del committente e non del laboratorio/The sample description content is under the full responsibility of the customer and not of the laboratory.

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Tests	M.U.	Results	Method
<b>4020001 Determination of phthalate content</b>			UNI EN ISO 14389:2014
Kind of specimen		<b>Prodotto tessile trattato totalmente</b>	
Samples preparation		<b>Secondo indicazioni riportate in appendice A della normativa</b>	
Total mass	g	<b>0,360</b>	
Di-n-butylphthalate (DBP) [84-74-2]	µg/g	<b>N.D.</b>	
Butylbenzylphthalate (BBP) [85-68-7]	µg/g	<b>N.D.</b>	
Bis(2-ethylhexyl)phthalate (DEHP) [117-81-7]	µg/g	<b>N.D.</b>	
Di-n-octylphthalate (DNOP) [117-84-0]	µg/g	<b>N.D.</b>	
Diisononylphthalate (DINP) [28553-12-0]	µg/g	<b>N.D.</b>	
Diisodecylphthalate (DIDP) [26761-40-0]	µg/g	<b>N.D.</b>	
Diisobutylphthalate (DIBP) [84-69-5]	mg/kg	<b>N.D.</b>	
Diisoheptylphthalate (DIHP) [71888-89-6]	mg/kg	<b>N.D.</b>	
Diamylphthalate (DPP) [131-18-0]	mg/kg	<b>N.D.</b>	
Bis(2-methoxyethyl)phthalate (DMEP) [117-82-8]	mg/kg	<b>N.D.</b>	
Dihexylphthalate [84-75-3]	mg/kg	<b>N.D.</b>	
Dicyclohexylphthalate [84-61-7]	mg/kg	<b>N.D.</b>	
<b>4019051 Presence of total heavy metals</b>			EN 1122:2001
Cadmium (Cd)	mg/kg	<b>N.D.</b>	
Lead (Pb)	mg/kg	<b>N.D.</b>	
Mercury (Hg)	mg/kg	<b>N.D.</b>	
<b>4019021 Research and dosing of Hexavalent Chromium (CrVI)</b>			BS 6810-1:1987 sez. 4 e 8.5
Chrome (VI)	mg/kg	<b>N.D.</b>	
<b>4016001 Detection of aromatic amines derived from azo colorants accessible with and without extracting the fibers</b>			UNI EN ISO 14362-1:2017
4-Aminodiphenyl [92-67-1]	mg/kg	<b>N.D.</b>	
Benzidine [92-87-5]	mg/kg	<b>N.D.</b>	
4-Chloro-o-toluidine [95-69-2]	mg/kg	<b>N.D.</b>	
2-Naphthylamine [91-59-8]	mg/kg	<b>N.D.</b>	
o-Aminoazotoluene [97-56-3]	mg/kg	<b>N.D.</b>	
2-Amino-4-Nitrotoluene [99-55-8]	mg/kg	<b>N.D.</b>	
p-Chloroaniline [106-47-8]	mg/kg	<b>N.D.</b>	
2,4-Diaminoaniline [615-05-4]	mg/kg	<b>N.D.</b>	
4,4'-Diaminodiphenylmethane [101-77-9]	mg/kg	<b>N.D.</b>	
3,3'-Dichlorobenzidine [91-94-1]	mg/kg	<b>N.D.</b>	

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Tests	M.U.	Results	Method
3,3'-Dimethoxybenzidine [119-90-4]	mg/kg	N.D.	
3,3'-Dimethylbenzidine [119-93-7]	mg/kg	N.D.	
3,3'-Dimethyl-4,4'-Diammindifenilmetane [838-88-0]	mg/kg	N.D.	
p-Cresidine [120-71-8]	mg/kg	N.D.	
4,4'-Methylene-bis-(2-Chloroaniline) [101-14-4]	mg/kg	N.D.	
4,4'-Oxydianiline [101-80-4]	mg/kg	N.D.	
4,4'-Thiodianiline [139-65-1]	mg/kg	N.D.	
o-Toluidine [95-53-4]	mg/kg	N.D.	
2,4-Toluylenediamine [95-80-7]	mg/kg	N.D.	
2,4,5-Trimethylaniline [137-17-7]	mg/kg	N.D.	
2,4-Xylidine [95-68-1]	mg/kg	N.D.	
2,6-Xylidine [87-62-7]	mg/kg	N.D.	
o-Anisidine [90-04-0]	mg/kg	N.D.	
4-Aminoazobenzene [60-09-3]	mg/kg	N.D.	
<b>4051001 Polifluorinated compounds (PFC's)</b>			UNI CEN/TS 15968:2010
Heptafluorobutyric acid (PFBA) [375-22-4]	µg/m <sup>2</sup>	N.D.	
Perfluoropentanoic acid (PFPeA) [2706-90-3]	µg/m <sup>2</sup>	N.D.	
Undecafluorohexanoic acid (PFHxA) [307-24-4]	µg/m <sup>2</sup>	N.D.	
Perfluoroheptanoic acid (PFHpA) [375-85-9]	µg/m <sup>2</sup>	N.D.	
Nonafluorobutane-1-sulfonic acid (PFBS) [375-73-5]	µg/m <sup>2</sup>	N.D.	
Tridecafluorohexane-1-sulfonic acid (PFHxS) [3871-99-6]	µg/m <sup>2</sup>	N.D.	
Tricosafuorododecanoic acid (PFDoA) [307-55-1]	µg/m <sup>2</sup>	N.D.	
Perfluorodecanoic acid (PFDA) [335-76-2]	µg/m <sup>2</sup>	N.D.	
Perfluorononanoic acid (PFNA) [375-95-1]	µg/m <sup>2</sup>	N.D.	
Perfluorotetradecanoic acid (PFTeA) [376-06-7]	µg/m <sup>2</sup>	N.D.	
Sulfuramid (N-Et-FOSA) [4151-50-2]	µg/m <sup>2</sup>	N.D.	
Perfluorotridecanoic acid (PFTra) [72629-94-8]	µg/m <sup>2</sup>	N.D.	
Perfluorooctanesulphonamide (PFOSA) [754-91-6]	µg/m <sup>2</sup>	N.D.	
Perfluorooctane sulfonic acid (PFOS) [1763-23-1]	µg/m <sup>2</sup>	N.D.	
Perfluoro (3,7-dimethyloctanoic acid) (PF-3,7-DMOA) [172155-07-6]	µg/m <sup>2</sup>	N.D.	
Perfluoroundecanoic acid (PFUnA) [2058-94-8]	µg/m <sup>2</sup>	N.D.	
N-MeFOSA - N-Methylperfluoro-1-octanesulfonamide [31506-32-8]	µg/m <sup>2</sup>	N.D.	
Pentadecafluorooctanoic acid (PFOA) [335-67-1]	µg/m <sup>2</sup>	N.D.	

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<b>4033002 Research and dosing of Alkylphenol-ethoxylated (APEO's)</b>			ISO 18254-1:2016
Kind of item		<b>FABRIC</b>	
Nonylphenols-ethoxylated (NPEO) [37205-87-1, 20427-84-3, 68412-54-4]	mg/kg	<b>N.D.</b>	
Octylphenols-ethoxylated (OPEO) [9036-19-5, 9002-93-1, 2315-61-9, 2315-67-5]	mg/kg	<b>N.D.</b>	
Total content of Alkylphenols-ethoxylated (APEO's)	mg/kg	<b>N.D.</b>	
<b>4033001 Research and dosing of Alkylphenols (AP's)</b>			UNI EN ISO 18218-2:2019
Kind of item		<b>FABRIC</b>	
Nonylphenols (NP) [104-40-5, 84852-15-3]	mg/kg	<b>N.D.</b>	
Octylphenol (OP) [1806-26-4, 140-66-9]	mg/kg	<b>N.D.</b>	
Total content of Alkylphenols (AP's)	mg/kg	<b>N.D.</b>	

----- **END OF REPORT** -----

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