

## Test Report

No. VNLS1909032530FW

Date: Oct 01, 2019

Page 1 of 11

**CONG TY TNHH CRECIMIENTO VIET NAM**  
DUONG SO 4, KCN DONG AN, P. BINH HOA, THUAN AN  
BINH DUONG PROVINCE, VIET NAM

The following samples were submitted and identified on behalf of the client as:

### Report on the submitted samples said to be:

Sample Description : FABRIC  
Division : Footwear Division  
Buyer's Name : Adidas  
Summary of Test Result : **PASS**  
Failure Test Items : ---  
Age Group : Infant (<36 months), Adults  
Material Name / Code : TRICOT 28G EPM5/ TC 28G EPM5  
Color Name / Code : (A) BLACK, (B) WHITE  
Material Component : POLYESTER  
Lot No./Purchase / Order No. : ---  
Supplier Name : CRMTO  
Supplier Contact Person : ---  
Country of Supplier : ---  
Country of Destination : ---  
Sample Classification : Polyester textile (400)  
Test Required Key Code No. : Key code 400 under Adidas A-01 Test Standard 2019  
Report Type : FT (Full Test)  
Full test report No. : ---  
Additional information : ---  
Sample Received Date : Sep 25, 2019 PM  
Sample Tested Date : Sep 26, 2019 – Oct 01, 2019  
SGS Job No. : VNLS1909032530FW

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**Summary of Test Result:** (Detail test results on next page)

Test Parameter	Test Method	Conclusion (Pass/Fail)
Extractable Heavy Metals (For non-leather except wool)	Others: With reference to EN 16711-2:2016. Analysis was performed by ICP-MS.	Pass
pH Value (Non-leather)	With reference to DIN EN ISO 3071:2006	Pass
<ul style="list-style-type: none"> <li>▪ Σ PCP, TeCP and TriCP (Adult)</li> <li>▪ Σ PCP, TeCP and TriCP (Infant)</li> </ul>	Textile: Extraction with KOH. Analysis by GC-MS. Textile: Extraction with KOH. Analysis by GC-MS.	Pass
Azo-amines	Textile: with reference to DIN EN ISO 14362-1:2017. Analysis was conducted by GC-MS.	Pass
Formaldehyde	Non-leather-Adults: With reference to DIN EN ISO 14184-1:2011. Analysis was performed by UV/VIS spectrophotometer. Non-leather: Infants: With reference to JISL 1041A:2011. Analysis was performed by UV/VIS spectrophotometer.	Pass
Disperse Dyes and dyestuffs (Table A)	With reference to DIN 54231:2005. Analysis was conducted with HPLC-DAD-MSD.	Pass
Organotin Compounds	With reference to ISO/TS 16179:2012. Analysis was performed by GC-MS.	Pass
Σ Nonylphenol (NP), Octylphenol (OP), Nonylphenol ethoxylates (NPEO) and Octylphenol ethoxylates (OPEO)	NP, OP: Extraction with THF. Analysis was performed by LC-MS. NPEO, OPEO: Textile and Non-leather: With reference to DIN EN ISO 18254-1:2016. Analysis was performed by LC-MS.	Pass
Nonylphenol (NP)	Extraction with THF. Analysis by LC-MS	Pass
Octylphenol (OP)	Extraction with THF, Analysis by LC-MS	Pass
PFOS / PFOA and its salts and esters	-	Not applicable
Dimethylfumarate (DMFu)	-	Not applicable

**Summary of Failed Test Result:** (Detail test results on next page)

Failed Test	Failed Test Component	Failed Result
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### Samples Photos



Signed for and on behalf of  
**SGS Vietnam LTD**



Rhodora Quinto  
Softlines Lab Manager

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**Component List / List of Materials**

<b>Sample No.</b>	<b>Component</b>	<b>Material</b>
A1	Black polyester fabric	Textile
B2	White polyester fabric	Textile

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## Test Report

No. VNLS1909032530FW

Date: Oct 01, 2019

Page 5 of 11

### Test Results:

#### Extractable Heavy Metals (For non-leather except wool)

Test Method: Others: With reference to EN 16711-2:2016. Analysis was performed by ICP-MS.

	<u>CAS-No.</u>	<u>Result (mg/kg)</u>	
		<u>A1</u>	<u>B2</u>
Antimony (Sb)	7440-36-0	n.d.	n.d.
Cadmium (Cd)	7440-43-9	n.d.	n.d.
Chromium (Cr)	7440-47-3	n.d.	n.d.
Lead (Pb)	7439-92-1	n.d.	n.d.
Mercury (Hg)	7439-97-6	n.d.	n.d.
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
mg/kg = ppm

<u>Requirement:</u>	<u>Infants (mg/kg)</u>	<u>Adults (mg/kg)</u>	<u>Reporting limit (mg/kg)</u>
Antimony	30	30	3.0
Cadmium	0.1	0.1	0.03
Chromium	1.0	2.0	0.3
Lead	0.2	1.0	0.06
Mercury	0.02	0.02	0.006

#### pH Value (Non-Leather) (\*)

Test Method: With reference to DIN EN ISO 3071:2006.

	<u>CAS-No.</u>	<u>Result</u>	
		<u>A1</u>	<u>B2</u>
pH value	--	5.9	5.8
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: Extraction medium KCl solution  
pH value of extraction medium 5.6  
Temperature of the extraction solution 22 ± 2°C

**Requirement: 4.0 – 7.5**

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## Test Report

No. VNLS1909032530FW

Date: Oct 01, 2019

Page 6 of 11

### Σ PCP, TeCP and TriCP (for Adults)

Test Method: Textile: Extraction with KOH. Analysis by GC-MS

	<u>CAS-No.</u>	<u>Result (mg/kg)</u>	
		<u>A1</u>	<u>B2</u>
Pentachlorophenol (PCP)	87-86-5	n.d	n.d
Tetrachlorophenols (TeCP)	--	n.d	n.d
Trichlorophenols (TriCP)	--	n.d	n.d
Sum of PCP, TeCP and TriCP	--	n.d	n.d
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
mg/kg = ppm  
Reporting limit = 0.05 mg/kg (for individual compound)

**Requirement: 0.5 mg/kg (sum)**

### Σ PCP, TeCP and TriCP (for Infants)

Test Method: Textile: Extraction with KOH. Analysis by GC-MS

	<u>CAS-No.</u>	<u>Result (mg/kg)</u>	
		<u>A1</u>	<u>B2</u>
Pentachlorophenol (PCP)	87-86-5	0.04	n.d
Tetrachlorophenols (TeCP)	--	n.d	n.d
Trichlorophenols (TriCP)	--	n.d	n.d
Sum of PCP, TeCP and TriCP	--	0.04	n.d
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
mg/kg = ppm  
Reporting limit = 0.015 mg/kg (for individual compound)

**Requirement: 0.05 mg/kg (sum)**

### Azo-Amines (Colorant Extraction)

Test Method: Textile: With reference to DIN EN ISO 14362-1:2017. Analysis was conducted by GC-MS.

	<u>CAS-No.</u>	<u>Result (mg/kg)</u>
		<u>A1</u>
4-Aminobiphenyl	92-67-1	n.d.
Benzidine	92-87-5	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.

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2-Naphthylamine	91-59-8	n.d.
o-Aminoazotoluene	97-56-3	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.
4-Chloroaniline	106-47-8	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.
p-Cresidine	120-71-8	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.
4,4'-Oxydianiline	101-80-4	n.d.
4,4'-Thiodianiline	139-65-1	n.d.
o-Toluidine	95-53-4	n.d.
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.
4-aminoazobenzene	60-09-3	n.d.
O-Anisidine	90-04-0	n.d.
2,4 - Xylidine	95-68-1	n.d.
2,6 - Xylidine	87-62-7	n.d.
<b>Conclusion</b>	--	<b>PASS</b>

Note: n.d. = not detectable  
 mg/kg = ppm  
 Reporting limit = 5 mg/kg (for individual compound)

**Requirement: 20 mg/kg (for individual compound)**

Remark: Colorant extraction refers to the colourant extraction and subsequent reduction according to DIN EN ISO 14362-1:2017 clause 10.1 and relevant clauses.  
 The DIN EN ISO 14362-1:2017 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5 mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5 mg/kg). Otherwise, the test method of DIN EN ISO 14362-3:2017 will be employed to verify the presence of 4-aminoazobenzene.

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## Test Report

No. VNLS1909032530FW

Date: Oct 01, 2019

Page 8 of 11

### Formaldehyde (Non-Leather)

Test Method: Non-leather: Adults: With reference to DIN EN ISO 14184-1:2011.  
Analysis was performed by UV/VIS spectrophotometer.

	<u>CAS-No.</u>	<u>Result (mg/kg)</u>	
		<u>A1</u>	<u>B2</u>
Formaldehyde	50-00-0	n.d.	n.d.
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
mg/kg = ppm  
Reporting limit = 16 mg/kg

**Requirement:**

**Adults: 75 mg/kg**

### Formaldehyde (Non-Leather) (\*)

Test Method: Non-leather: Infants: With reference to JISL 1041A:2011. Analysis was performed by UV/VIS spectrophotometer.

	<u>CAS-No.</u>	<u>Result (mg/kg)</u>	
		<u>A1</u>	<u>B2</u>
Formaldehyde	50-00-0	n.d.	n.d.
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
mg/kg = ppm  
Reporting limit = 5 mg/kg

**Requirement:**

**Infants: 16 mg/kg**  
**Children apparel (size ≤ 98-176): 20 mg/kg**

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**Disperse Dyes and Dyestuffs (Table A) (\*)**

Test Method: With reference to DIN 54231:2005. Analysis was conducted with HPLC-DAD-MSD.

		<b>Result (mg/kg)</b>
	<b>CAS-No.</b>	<b>A1</b>
Disperse Blue 1	2475-45-8	n.d.
Disperse Blue 3	2475-46-9	n.d.
Disperse Blue 7	3179-90-6	n.d.
Disperse Blue 26	3860-63-7	n.d.
Disperse Blue 35	12222-75-2	n.d.
Disperse Blue 102	12222-97-8	n.d.
Disperse Blue 106	12223-01-7	n.d.
Disperse Blue 124	61951-51-7	n.d.
Disperse Brown 1	23355-64-8	n.d.
Disperse Yellow 1	119-15-3	n.d.
Disperse Yellow 3	2832-40-8	n.d.
Disperse Yellow 9	6373-73-5	n.d.
Disperse Yellow 23	6250-23-3	n.d.
Disperse Yellow 39	12236-29-2	n.d.
Disperse Yellow 49	54824-37-2	n.d.
Disperse Orange 1	2581-69-3	n.d.
Disperse Orange 3	730-40-5	n.d.
Disperse Orange 11	82-28-0	n.d.
Disperse Orange 37/59/76	12223-33-5 / 13301-61-6 / 51811-42-8	n.d.
Disperse Orange 149	85136-74-9	n.d.
Disperse Red 1	2872-52-8	n.d.
Disperse Red 11	2872-48-2	n.d.
Disperse Red 17	3179-89-3	n.d.
Acid Red 26	3761-53-3	n.d.
Basic Red 9	569-61-9	n.d.
Basic Violet 14	632-99-5	n.d.
Direct Black 38	1937-37-7	n.d.
Direct Blue 6	2602-46-2	n.d.
Direct Red 28	573-58-0	n.d.
Basic Blue 26	2580-56-5	n.d.
Basic Violet 3	548-62-9	n.d.
<b>Conclusion</b>	<b>--</b>	<b>PASS</b>

Note: n.d. = not detected  
 mg/kg = ppm  
 Reporting Limit = 15 mg/kg (for individual compound)

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# Test Report

No. VNLS1909032530FW

Date: Oct 01, 2019

Page 10 of 11

**Requirement: 50 mg/kg (for individual compound)**

**Organotin Compounds (\*)**

Test Method: With reference to ISO/TS 16179:2012. Analysis was performed by GC-MS.

	CAS-No.	Result (mg/kg)	
		A1	B2
Tributyltin (TBT)	--	n.d.	n.d.
Triphenyltin (TPhT)	--	n.d.	n.d.
Dibutyltin (DBT)	--	n.d.	n.d.
Dioctyltin (DOT)	--	n.d.	n.d.
Monobutyltin (MBT)	--	n.d.	n.d.
Monooctyltin (MOT)	--	n.d.	n.d.
Trioctyltin (TOT)	--	n.d.	n.d.
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
 mg/kg = ppm  
 Reporting limit  
 TBT = 0.05 mg/kg  
 Others = 0.1 mg/kg (for individual compound)

**Requirement:**

<b>TBT</b>	<b>Not Detected</b>
<b>TPhT</b>	<b>0.5 mg/kg</b>
<b>DBT</b>	<b>1 mg/kg</b>
<b>DOT</b>	<b>1 mg/kg</b>
<b>MBT</b>	<b>1 mg/kg</b>
<b>MOT</b>	<b>1 mg/kg</b>
<b>TOT</b>	<b>1 mg/kg</b>

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# Test Report

No. VNLS1909032530FW

Date: Oct 01, 2019

Page 11 of 11

**Σ Nonylphenol (NP), Octylphenol (OP), Nonylphenol ethoxylates (NPEO) and Octylphenol ethoxylates (OPEO)**

Test Method: NP, OP: Extraction with THF. Analysis was performed by LC-MS.  
 NPEO, OPEO: Textile and Non-leather: With reference to DIN EN ISO 18254-1:2016. Analysis was performed by LC-MS.

	CAS-No.	Result (mg/kg)	
		A1	B2
Nonylphenol (NP)	--	n.d.	n.d.
Octylphenol (OP)	--	n.d.	n.d.
Nonylphenol Ethoxylate (NPEO)	--	n.d.	n.d.
Octylphenol Ethoxylate (OPEO)	--	n.d.	n.d.
Sum of NP, OP, NPEO and OPEO	--	n.d.	n.d.
<b>Conclusion</b>	--	<b>PASS</b>	<b>PASS</b>

Note: n.d. = not detected  
 mg/kg = ppm  
 Reporting limit = 3 mg/kg (AP); 5 mg/kg (APEO)

**Requirement:**  
**Nonylphenol (NP)** 10 mg/kg  
**Octylphenol (OP)** 10 mg/kg  
**Sum of NP, OP, NPEO and OPEO** 100 mg/kg

**PFOS & PFOA and its salts and esters**

Not Applicable

**Dimethylfumarate (DMFu)**

Not Applicable

Remark: Above tests (\*) are accredited ISO 17025: 2005 by VILAS.

*Report results refer to submitted sample(s) only*  
 \*\*\* End of Report \*\*\*

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