



**BUREAU
VERITAS**

Adidas Group TEST REPORT

REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 1 OF 16

APPLICANT & ADDRESS : VIETAI GARMENT ACCESSORIES CO.,LTD
LOT M7-M9-M11, CAT LAI INDUSTRIAL PARK, THANH
MY LOI WARD, DISTRICT 2, HCMC

CONTACT PERSON : MS. QUEENIE/ MR. JOHNNY/ MS. HANG

DATE OF SUBMISSION : November 14, 2019 To November 19, 2019

TESTING PERIOD : 05

SAMPLE DESCRIPTION : Sample(s) received is/are stated to be: HEAT TRANSFER
WHITE
Color (Name & Code):
Product End Use/ Buyer Division: APPAREL
Age Group: ADULT
Manufacturer/ Supplier: DONGGUAN FEIFAN PRINTING EQUIPENT CO.,LTD
P.O. No.: /
Material Composition: /
Country of Origin: /
Country of Destination: /
Sample Classification: APPLIED SURFACE COATINGS
Material key code under Adidas-
Group A-01 test standard (2019): 511
RSL based on: The Adidas-Group A-01 RSL (2019)
Additional Information: Information provided by submitter: /
Article No.: 2019080601
Style/ Model No.: HE-039 ADIDAS LOGO
Material ID: 2019080601
Supplier Material Name: /

BUYER/ SUPPLIER : ADIDAS
REPORT TYPE : FIRST ORDER (FO), FULL TEST (FT)
RELATED (FO, FT) REPORT NO. : /
RETEST NO. : /
OVERALL CONCLUSION : PASS
FAILURE TEST(S) : /

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 2 OF 16

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

A handwritten signature in blue ink, appearing to be 'Lindy Nguyen', with a long horizontal flourish extending to the right.

**LINDY NGUYEN
MANAGER – ANALYTICAL**

Photo of the Submitted Sample



SUMMARY OF TEST RESULTS

REQUIREMENT		
TEST REQUESTED – CHEMICAL TESTS	CONCLUSION	REMARK
EXTRACTABLE HEAVY METALS	PASS	
TOTAL CADMIUM	PASS	
TOTAL LEAD	PASS	
ORGANOTIN COMPOUNDS (TBT, TOT, DBT, DOT, TPhT, MBT, MOT)	PASS	
PHTHALATES – DINP, DNOP, DEHP, DIDP, BBP, DBP, DIBP, DIHP, DHNUP, DHP, DMEP, DPP, DEP, DIPP & DCHP	PASS	
NP, OP, NPEO and OPEO	PASS	
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)	PASS	
PHENOLS (PCP, TeCP, TriCP, OPP)	PASS	
AZO-AMINES	PASS	
FORMALDEHYDE	PASS	
DISPERSE DYES AND DYESTUFFS	PASS	
SHORT CHAIN CHLORINATED PARAFFINS (SCCPs) (C10 – C13) CONTENT	PASS	

Note: NA = Not Applicable

NR = Not Requested



REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 4 OF 16

TEST RESULT – CHEMICAL

EXTRACTABLE HEAVY METAL

TEST METHOD: DIN EN ISO 105 E 04:2013 in acid solution
Leather: DIN EN ISO 17072-1:2019
ICP-MS / ICP-OES with reference to DIN EN ISO 17294-2 (2017)

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Parameter	Result (mg/kg)	Limit (mg/kg)
	I001	
Cadmium (Cd)	ND	0.1
Chromium (Cr)	ND	Adult: 2 Infants/ All Ages: 1
Lead (Pb)	ND	Adult: 1 Infants/ All Ages: 0.2
Mercury (Hg)	ND	0.02
Conclusion	PASS	

Note: mg/kg = milligram per kilogram ND = not detected "<" = less than ">" = more than
Detection Limit (mg/kg): Cd (0.1), Cr (0.1), Pb (0.1), Hg (0.02)



REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 5 OF 16

TEST RESULT – CHEMICAL

TOTAL CADMIUM

TEST METHOD: EN 1122 (Polymer)
DIN EN 16711-1 (2016)
Leather: DIN EN ISO 17072-2:2019
DIN EN ISO 17294-2 (2017)

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result (mg/kg)	Conclusion	Limit (mg/kg)
I001	ND	PASS	40

Note: mg/kg = milligram per kilogram
Detection Limit: 10 mg/kg

“<” = less than
ND = not detected

“>” = more than

TOTAL LEAD

TEST METHOD: DIN EN 16711-1 (2016)
Leather: DIN EN ISO 17072-2:2019
DIN EN ISO 17294-2 (2017)

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result (mg/kg)	Conclusion	Limit (mg/kg)
I001	ND	PASS	40

Note: mg/kg = milligram per kilogram
Detection Limit: 10 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 6 OF 16

TEST RESULT – CHEMICAL

ORGANOTIN COMPOUNDS (TBT, TOT, DBT, DOT, TPhT, MBT, MOT)

TEST METHOD: With reference to ISO 16179: 2012

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	ND	ND	PASS	TBT: Not detectable (<0.05) DBT, DOT, TOT, MBT, MOT: 1 TPhT: Infants/ All Ages: 0.5 Adults: 0.5

Note: mg/kg = milligram per kilogram
Detection Limit: 0.02 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 7 OF 16

TEST RESULT – CHEMICAL

Σ PHTHALATES – DINP, DNOP, DEHP, DIDP, BBP, DBP, DIBP, DIHP, DHNUP, DHP, DMEP, DPP, DEP, DIPP & DCHP

TEST METHOD: With reference to International Standard ISO 14389: 2014

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	DEHP	63.8	PASS	500
	Sum	63.8		

Note: mg/kg = milligram per kilogram
Detection Limit: Each 50 mg/kg; Sum 150 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 8 OF 16

TEST RESULT – CHEMICAL

Σ of NP, OP, NPEO and OPEO

TEST METHOD: Solvent extraction and GC-MS , LC-MS confirmation (NP & OP)
With reference to DIN EN ISO 18254-1:2016 (NPEO & OPEO – Others)
With reference to DIN EN ISO 18218-1:2015 (NPEO & OPEO - Leather)

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	ND	ND	PASS	100 (10 ppm for NP & OP as single parameter) / Cement: 1000

Note: mg/kg = milligram per kilogram
Detection Limit: NP, OP: 5 mg/kg, NPEO, OPEO: 30 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 9 OF 16

TEST RESULT – CHEMICAL

Σ of POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

TEST METHOD: With reference to test method mentioned in German AfPS GS 2014:01 PAK.

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	Naphthalene Sum	0.89 0.89	PASS	Benzo (a) anthracene, Chrysene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Dibenzo (a,h) anthracene, Benzo (j) fluoranthene & Benzo (e) pyrene: Adults: 1 (Each) Infants/ All Ages: 0.5 (Each) Sum: 10

Note: mg/kg = milligram per kilogram
Detection Limit = 0.2 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 10 OF 16

TEST RESULT – CHEMICAL

PHENOLS (PCP, TeCP, TriCP, OPP)

TEST METHOD: KOH extraction (16hrs, 90C), reference to derivatization acc. to ISO 17070 (2015), GC-MS

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	ND	ND	PASS	<u>PCP, TeCP and TriCP:</u> Adults: 0.5 Infants/ All ages: 0.05 <u>OPP:</u> 1000

Note: mg/kg = milligram per kilogram
Detection Limit: 0.05 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 11 OF 16

TEST RESULT – CHEMICAL

AZO-AMINES

TEST METHOD: With reference to EN ISO 14362-1:2017 (Textiles)
EN ISO 17234-1:2015 (Leather)
With reference to EN ISO 14362-3:2017 (pAAB analysis) (Textile)
EN ISO 17234-2:2011 (pAAB analysis) (Leather)

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	ND	ND	PASS	20

Note: mg/kg = milligram per kilogram
Detection Limit = 5 mg/kg

“<” = less than “>” = more than
ND = not detected

Remark: 1. Azo colorants that are able to form p-aminoazobenzene, generate aniline and 1,4-phenylenediamine under the condition of this method. Aniline and 1,4-phenylenediamine are not detected under the condition of this method.



REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 12 OF 16

TEST RESULT – CHEMICAL

FORMALDEHYDE

TEST METHOD I: DIN EN ISO 14184-1:2011 (Non-Leather)
TEST METHOD II: DIN EN ISO 17226-1:2019; DIN EN ISO 17226-2:2019 (Leather)

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Test Method	Result (mg/kg)	Conclusion	Limit (mg/kg)
I001	I	ND	PASS	<u>Non-Leather:</u> Adults: 75 Infants/ All ages: 16 (20mg/kg for apparel size 98 to 176) <u>Leather:</u> Adults: 75 Infants/ All ages: 20

Note: mg/kg = milligram per kilogram
Detection Limit: 5 mg/kg

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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 13 OF 16

TEST RESULT – CHEMICAL

DISPERSE DYES AND DYESTUFFS

TEST METHOD: DIN 54231:2005

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
I001	ND	ND	PASS	50

Note: mg/kg = milligram per kilogram
Detection Limit = 15 mg/kg

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“>” = more than



REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 14 OF 16

TEST RESULT – CHEMICAL

SHORT CHAIN CHLORINATED PARAFFINS (SCCPs) (C10 – C13) CONTENT

TEST METHOD: With reference to CADS//ISO/ 18219

TESTED ITEM(S) : I001 BLACK/WHITE UNDERLAYING COATING (LOGO)

Test Item(s)	Result (mg/kg)	Conclusion	Limit (mg/kg)
I001	ND	PASS	1000

Note: mg/kg = milligram per kilogram
Detection Limit: 30 mg/kg

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List of tested customers parameters

LIST OF PROHIBITED DISPERSE DYES TO BE TESTED			
Name of Dye	Abbreviation	CAS number	C.I. (Color Index)
Disperse Blue 1	DB 1	2475-45-8	64500
Disperse Blue 3	DB 3	2475-46-9	61505
Disperse Blue 35	DB 35	12222-75-2	-
Disperse Blue 106	DB 106	12223-01-7	-
Disperse Blue 124	DB 124	61951-51-7	-
Disperse Yellow 3	DG 3	2832-40-8	11855
Disperse Orange 3	DO 3	730-40-5	11005
Disperse Orange 37/59/76	DO 37	13301-61-6	-
Disperse Orange 149	DO 149	85136-74-9	-
Disperse Red 1	DR 1	2872-52-8	11110
Disperse Yellow 23	DG 23	6250-23-3	26070
Disperse orange 11	DO 11	82-28-0	60700
Acid red 26	-	3761-53-3	16150
Basic red 9	-	569-61-9	42500
Basic violet 14	-	632-99-5	42510
Direct black 38	-	1937-37-7	30235
Direct blue 6	-	2602-46-2	22610
Direct red 28	-	573-58-0	22120
Disperse Blue 7	DB 7	3179-90-6	62500
Disperse Blue 26	DB 26	-	63305
Disperse Blue 102	DB 102	12222-97-8	-
Disperse Brown 1	-	23355-64-8	-
Disperse Yellow 1	DG 1	-	10345
Disperse Yellow 9	DG 9	6373-73-5	10375
Disperse Yellow 39	DG 39	-	-
Disperse Yellow 49	DG 49	-	-
Disperse Orange 1	DO 1	2581-69-3	11080
Disperse Red 11	DR 11	2872-48-2	62015
Disperse Red 17	DR 17	3179-89-3	11210
Basic Blue 26	-	2580-56-5	-
Basic Violet 3	-	548-62-9	-

* disperse orange 59 and disperse orange 76 are synonymic names for disperse orange 37

LIST OF PAHs		
Naphthalene	Fluoranthene	Benzo (a) pyrene
Acenaphthylene	Pyrene	Indeno (1,2,3-cd) pyrene
Acenaphthene	Benzo (a) anthracene	Dibenzo (a,h) anthracene
Fluorene	Chrysene	Benzo (g,h,i) perylene
Phenanthrene	Benzo (b) fluoranthene	Benzo (j) fluoranthene
Anthracene	Benzo (k) fluoranthene	Benzo (e) pyrene



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REPORT NO. : (9619)318-0372
DATE : November 19, 2019
PAGE : 16 OF 16

LIST OF PHTHALATES

Name of Phthalates	Abbreviation	CAS Number
Di-iso-nonylphthalate	DINP	28553-12-0
Di-n-octylphthalate	DNOP	117-84-0
Di(2-ethylhexyl)- phthalate	DEHP	117-81-7
Diisodecylphthalate	DIDP	26761-40-0
Butylbenzylphthalate	BBP	85-68-7
Dibutylphthalate	DBP	84-74-2
Diisobutylphthalate	DIBP	84-69-5
Di-C6-8-branched alkylphthalates	DIHP	71888-89-6
Di-C7-11-branched alkylphthalates	DHNUP	68515-42-4
Di-n-hexylphthalate	DHP	84-75-3
Di-(2-methoxymethyl)-phthalate	DMEP	117-82-8
Di-pentylphthalate	DPP	131-18-0
Di-cyclohexylphthalate	DCHP	84-61-7
Diethyl phthalate	DEP	84-66-2
Diisopentylphthalate	DIPP	605-50-5

- END -