

TEST REPORT

Applicant: SILKFLEX VIETNAM CO.,LTD
 43/4C MY HOA 1 HAMLET, TRUNG CHANH COMMUNE,
 HOC MON DISTRICT, HCMC, VIETNAM ,VIET NAM
 ATTN: SAHMAN MINH

Conclusion of Report Summary	: Pass
Failure Test Item	: --

Sample Description As Declared	: One (01) Group Of Submitted Mock Up Sample
Material Name & Code	: Elastisol White Xm, Elastisol Clear Xm, Elastisol White Mc, Elastisol Clear Mc
Material Colour & Code	: White
Material Composition	: Elastisol White Xm, Elastisol Clear Xm, Elastisol White Mc, Elastisol Clear Mc
Category.	: Infant (Footwear Size ≤ UK 10.5K, Apparel Size ≤ 92)/ Kid (Apparel size 98-176)/ Adult
Adidas Division	: Apparel
Buyer Name	: adidas
Season	: -
Test Key Code	: 509 Under Adidas-A01 Standard Version 16 2018
RSL Based On	: Adidas-Group A-01
Supplier & Contact Person	: -
Country Of Supplier	: Malaysia
Country Of Destination	: Vietnam
Style No.	: -
Lot No./Purchase Order No.	: -
Article No.	: -
Fiber Content	: -
Test Type	: -
Vendor Name	: -
Date Received	: 25 Jan 2019
Date Test Started	: 14 Feb 2019

AUTHORIZED BY
 FOR INTERTEK VIETNAM LTD. [HO CHI MINH]



PHUONG LE
 SOFTLINES GENERAL MANAGER

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Conclusion:

<u>Tested</u> <u>Sample/Component</u>	<u>Standard</u>	<u>Result</u>
	Adidas Group A-01 Policy Version No. 16 Testing Requirements	
Tested Component	Tributyltin (TBT)	Pass
	Dibutyltin (DBT)	Pass
	Triphenyltin (TPHT)	Pass
	Dyooctyltin (DOT)	Pass
	Mono-butyltin (MBT)	Pass
	Monooctyltin (MOT)	Pass
	Triooctyltin (TOT)	Pass
	PCP/TeCP/TriCP (Sum)	Pass
	Nonylphenol (NP), Octylphenol (OP), Nonylphenol Ethoxylates (NPEO) And Octylphenol Ethoxylate (OPEO) Content	Pass
	Formaldehyde Test	Pass
	Short Chained Chlorinated Paraffines (C10 - C13)	Pass
	Total Cadmium (Cd) Content	Pass
	Total Lead (Pb) Content	Pass
	Phthalate Content	Pass
	Orthophenyl Phenol (OPP)	Pass
	Heavy Metal Analysis	Pass

REMARKS

The Submitted Sample Is White Color And Be Exempted For Polycyclic Aromatic Hydrocarbons(PAHs) Tests As Per Buyer's Advice.

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Organotin Compounds

ISO/TS 16179 - 2012, Determined by Gas Chromatography-Mass Spectrometer (GC-MS) analysis

Compound	(1) Result (ppm)	Adidas TLV
		In ppm
Mono-butyltin (MBT)	N	1
Dibutyltin (DBT)	N	1
Tributyltin (TBT)	N	N
Monooctyltin (MOT)	N	1
Dioctyltin (DOT)	N	1
Trioctyltin (TOT)	N	1
Triphenyltin (TPhT)	N	0.5

REMARK:

N = Not Detected

Detection Limit = 0.05 ppm

ppm = part per million = mg/kg

Tested Component:

(1) White Paint

2. Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) and Trichlorophenol (TriCP) Content

Pre-Treatment: Extraction with KOH (16 h at 90°C), Derivatization acc. to ISO 17070 (2015), And Gas Chromatography-Mass Spectrometer (GC-MS) Analysis.

Compound	(1) Result (ppm)	Adidas TLV In
		ppm (I/II)
Pentachlorophenol (PCP)	N	--
Tetrachlorophenol (TeCP)	N	--
Trichlorophenol (TCP)	N	--
Sum Of Above	N	0.05/0.5

REMARK:

N = Not Detected

Detection Limit = 0.05 ppm

ppm = part per million = mg/kg

(I/II) = (Infant's Wear (Size 10.5K-92)/ Adult's Wear)

Tested Component:

(1) White Paint

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3. Nonylphenol (NP), Octylphenol (OP), Nonylphenol Ethoxylates (NPEO) And Octylphenol Ethoxylate (OPEO) Content

Extraction With THF (For NP & OP), DIN EN ISO 18254-1: 2016-09 (For NPEO & OPEO In Textiles) And DIN EN ISO 18218-1 (For NPEO & OPEO In Leather), Followed By Liquid Chromatography-Tandem Mass Spectrometer (LC-MS-MS) Analysis.

Compound	(1) Result (ppm)	<u>Adidas TLV In</u> <u>ppm</u>
Nonylphenol (NP)	N	10
Octylphenol (OP)	N	10
Nonylphenol Ethoxylates (NPEO)	N	--
Octylphenol Ethoxylates (OPEO)	N	--
Total	N	100

REMARK:

N = Not Detected

Detection Limit = 10 ppm For APEOs And 1 ppm For APs

ppm = part per million = mg/kg

Tested Component :

(1) White Paint

4. Formaldehyde Test

Japan Law 112 (JIS L 1041:2011) or DIN EN ISO 14184-1 (2011) EN 717-3 (1996) In Case Of Wood

Tested Components	Result (ppm)	<u>Adidas TLV In</u> <u>ppm</u> (I/II/III)
(1)	N	16/20/75

REMARK:

N = Not Detected

Detection Limit = 3 ppm

ppm = part per million = mg/kg

(I/II/III) = (Infant's Wear (Size 10.5K-92)/Kid's Wear (Size 98-176)/ Adult's Wear)

Tested Component:

(1) White Paint

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5. Short Chained Chlorinated Paraffines (C10 - C13)

With reference to DIN EN ISO 18219:2016-02 (for leather) and extraction with 5ml THF ultrasonic 30 min at 70°C; shaking for 30 min; then +10mL ACN & ultrasonic 30 min at 70°C; filtrate with PTFE 0.45µm (for polymers) determined by Gas Chromatography-Mass Spectrometer (GC-MS).

Tested Components	Result (ppm)	<u>Adidas TLV In</u>
		<u>ppm</u>
(1)	N	1000

REMARK:

N = Not Detected

Detection Limit = 100 ppm

ppm = part per million = mg/kg

Tested Component:

(1) White Paint

6. Total Cadmium (Cd) Content

Microwave Digestion Method Was Used Or EN 1122 (2001), DIN EN 16711-1 (2016) (For Textile), Prdin EN ISO 17072-2 (2017) (For Leather) And DIN EN ISO 11885 (2009) By Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) Analysis.

Tested Components	Result (ppm)	<u>Adidas TLV In</u>
		<u>ppm</u>
(1)	<2	40

REMARK:

< = Less Than

ppm = Parts Per Million = mg/kg

Tested Components:

(1) White Paint

7. Total Lead (Pb) Content

Microwave Digestion Method Was Used Or DIN EN 16711-1 (2016)(For Textiles), PrDIN EN ISO 17072-2 (2017) (For Leather) And DIN EN ISO 11885 (2009) By Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) Analysis.

Tested Components	Result (ppm)	<u>Adidas TLV In</u>
		<u>ppm</u>
(1)	<2	40

REMARK:

< = Less Than

ppm = Parts Per Million = mg/kg

Tested Components:

(1) White Paint

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8. Phthalate Content

Pre-Treatment/ Test Method: DIN EN ISO 14389 (2014)

	(1) Result (ppm)	<u>Adidas TLV</u> <u>In ppm</u>
Dibutyl Phthalate (DBP)	N	--
Diethyl Hexyl Phthalate (DEHP)	N	--
Di-(Iso-Nonyl) Phthalate (DINP)	N	--
Benzyl Butyl Phthalate (BBP)	N	--
Di-(N-Octyl) Phthalate (DNOP)	N	--
Di-(Iso-Decyl) Phthalate (DIDP)	N	--
Diisobutyl Phthalate (DIBP)	N	--
Di-C6-8-branched alkylphthalates (DIHP)	N	--
Di-C711-branched alkylphthalates (DHNUP)	N	--
Di-n-hexylphthalate (DnHP)	N	--
Di-(2-methoxymethyl)-phthalate (DMEP)	N	--
Di-n-pentyl Phthalate (DnPP)	N	--
Di-cyclohexylphthalate (DCHP)	N	--
Sum of Above Phthalates	N	500
Diethyl phthalate (DEP)	N	-

REMARK:

N = Not Detected

Detection Limit = 50 ppm

ppm = part per million = mg/kg

Tested Component:

(1) White Paint

9. Orthophenyl Phenol (OPP)

Pre-Treatment: Extraction with KOH (16 h at 90°C), Derivatization acc. to ISO 17070 (2015), And Gas Chromatography-Mass Spectrometer (GC-MS) Analysis.

Tested Components	Result (ppm)	<u>Adidas TLV In</u> <u>ppm</u>
(1)	N	1000

REMARK:

N = Not Detected

Detection Limit = 10 ppm

ppm = part per million = mg/kg

Tested Component:

(1) White Paint

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10. Heavy Metal Analysis

With Reference To DIN EN ISO 105 E04 - 2013 (Pre-Treatment) In Acid Solution (1 Hour Extraction With 37°C)/Leather: prDIN EN ISO 17072-1 (2017), For Lead, Cadmium, Chromium, Antimony: DIN EN ISO 11885 (2009)/For Mercury: DIN EN ISO 12846 (2012), By Inductively Coupled Argon Plasma Mass Spectrometry (ICP-MS) Analysis

Element	(1) Result (ppm)	<u>Adidas TLV In</u>
		<u>ppm</u> (I/II)
Sol. Cadmium (Cd)	<0.03	0.1
Sol. Chromium (Cr)	<0.5	1/2
Sol. Lead (Pb)	<0.1	0.2/1
Sol. Mercury (Hg)	<0.01	0.02

REMARK:

Sol. = Soluble

< = Less Than

ppm = Parts Per Million = mg/kg

(I/II) = (Infant's Wear (Size 10.5K-92)/ Adult's Wear)

Tested Components:

(1) White Paint

END OF THE TEST REPORT

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