

Applicant: CRECIMIENTO INDUSTRIAL CO.,LTD
12TH FL., NO.292 JEN HO ROAD
TAISHUNG, TAIWAN

Date: Apr 17, 2019

Attn: Ruby

Sample Description:

Three (3) Groups Of Submitted Samples Said To Be:

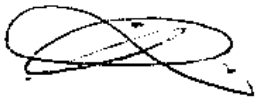
(A) PU Foam In Black.

(B) PU Foam In Light Blue.

(C) PU Foam In White.

Standard : --
Buyer's Name : VF (Self-Reference)
Colour : Black, Light Blue, White
Vendor : --
Manufacturer : --
Supplier : --
Style No./Name : --
P.O. No. : --
Ref. : PU Foam
Country Of Origin : --
Goods Exported To : --
Date Received/Date Test Started : Apr 01, 2019
Date Final Information Confirmed: --

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Lin Lin
General Manager

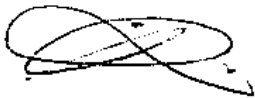


Conclusion:

<u>Index</u>	<u>Test Item</u>	<u>Result</u>
1.	Total Cadmium (Cd) Content	Pass
2.	Heavy Metals Analysis	Pass
3.	Total Lead (Pb) Content In Substrate	Pass
4.	Free Formaldehyde Content	Pass
5.	Phthalate Content Test	Pass
6.	Polycyclic Aromatic Hydrocarbons (PAH) Content	Pass
7.	Flame Retardants	Pass
8.	Organotin Content	Pass
9.	Solvents and Volatile Organic Compounds (VOCs)	Pass
10.	Chlorinated Paraffins (C10-C13)	Pass

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Lin Lin
General Manager



CL/cassiekong

1 Total Cadmium (Cd) Content

With Reference To EN 16711-1:2015, Total Cadmium Content Was Determined By Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectroscopy (AAS).

<u>Tested Components</u> (1+2+3)	<u>Result (In mg/kg)</u> ND	<u>Requirement (mg/kg)</u> 40
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Remark : Detection Limit: 10 mg/kg
ND = Not Detected

Tested Components: Please See Component List In The Last Section Of This Report.

2 Heavy Metals Analysis:

With Reference To ASTM F963:2017 Acid Digestion And Extraction Methods Were Used And Heavy Metals Content Were Determined By Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (mg/kg)</u>			<u>Limit (mg/kg)</u>
	(1)	(2)	(3)	
Ext. Barium (Ba)	< 5	< 5	< 5	1000
Ext. Lead (Pb)	< 5	< 5	< 5	90
Ext. Cadmium (Cd)	< 5	< 5	< 5	75
Ext. Antimony (Sb)	< 5	< 5	< 5	60
Ext. Selenium (Se)	< 5	< 5	< 5	500
Ext. Chromium (Cr)	< 5	< 5	< 5	60
Ext. Mercury (Hg)	< 5	< 5	< 5	60
Ext. Arsenic (As)	< 2.5	< 2.5	< 2.5	25

Remark : Ext. = Extractable

Tested Components: Please See Component List In The Last Section Of This Report.

3 Total Lead (Pb) Content In Substrate

As Per Standard Operating Procedures For Determining Total Lead (Pb) In Children's Products, Test Methods CPSC-CH-E1002-08.1 And/OR GAFTI Modified CPSC-CH-E1001-08.1 Were Used And Total Lead Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u> (1+2+3)	<u>Result In ppm</u> ND	<u>Limit In ppm</u> 90
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Remark : ppm = parts per million = mg/kg
ND = Not Detected
Detection Limit = 10 ppm

Tested Components: Please See Component List In The Last Section Of This Report.

4 Free Formaldehyde Content

With Reference to ISO 14184-1:2011 (For Textile) And ISO 17226-1:2008 (For Leather), and GB/T 19941-2005 for Leather in China market. Determined by UV-Visible Spectrophotometer (UV-Vis) and High Performance Liquid Chromatography (HPLC).

<u>Tested Component</u>	<u>Result In mg/kg</u>	<u>Requirement In mg/kg</u>
(1+2)	ND	20
(3)	ND	20

Remark: Detection Limit = 5 mg/kg
ND = Not detected

Tested Components: Please See Component List In The Last Section Of This Report.

5 Phthalate Content Test

By Gas Chromatographic - Mass Spectrometric (GC-MS) And Liquid Chromatographic - Mass Spectrometric (LC-MS) Analysis

Test Method: GAFTI Modified CPSC-CH-C1001-09.4

For Toys, Childcare and Children's products:
Chemical Substance [21 substances]

<u>Chemical Substance</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
	(1+2+3)	
Bis(2-ethylhexyl) phthalate (DEHP)	ND	500
Bis(2-methoxyethyl) phthalate (DMEP)	ND	500
Butyl benzyl phthalate (BBP)	ND	500
Dibutyl phthalate (DBP)	ND	500
Dicyclohexyl phthalate (DCHP)	ND	500
Di-heptyl, nonyl, undecyl phthalate (DHNUP)	ND	500
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	ND	500
Di-iso-butyl phthalate (DIBP)	ND	500
Di-iso-decyl phthalate (DIDP)	ND	500
Di-iso-heptyl phthalate (DIHP)	ND	500
Di-iso-nonyl phthalate (DINP)	ND	500
Di-n-hexyl phthalate (DnHP or DHEXP)	ND	500
Di-n-octyl phthalate (DNOP)	ND	500
N-pentyl-iso-pentyl phthalate (NPIPP)	ND	500
1,2-Benzenedicarboxylic acid, dipentylester, branched & linear	ND	500
Di-iso-pentyl phthalate (DIPP)	ND	500
Di-n-pentyl phthalate (DnPP or DPENP)	ND	500
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	ND	500
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters	ND	500
Diethyl phthalate (DEP)	ND	500
Dimethyl phthalate (DMP)	ND	500
Sum of Above 21 Phthalates	ND	1000
Other Esters Of Orthophthalic Acid^	ND	--

Remark:

Detection Limit = 100 mg/kg
ND = Not detected
^ = Results were reported in DEHP (ion 149) equivalent

Tested Components: Please See Component List In The Last Section of This Report

6 Polycyclic Aromatic Hydrocarbons (PAH) Content

With Reference To Afps GS 2014:01 PAK, By Solvent Extraction And Determined By Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (mg/kg)	Requirement (mg/kg)
	(1+2+3)	
Naphthalene	0.5	--
Acenaphthylene	ND	--
Acenaphthene	ND	--
Fluorene	ND	--
Phenanthrene	ND	--
Anthracene	ND	--
Fluoranthene	ND	--
Pyrene	ND	--
Benzo(a)anthracene	ND	1
Chrysene	ND	1
Indeno(1,2,3-cd)pyrene	ND	--
Benzo(b)fluoranthene	ND	1
Benzo(k)fluoranthene	ND	1
Benzo(a)pyrene	ND	1
Dibenzo(a,h)anthracene	ND	1
Benzo(ghi)perylene	ND	--
Benzo(e)pyrene	ND	1
Benzo(j)fluoranthene	ND	1
Sum (18 PAH) :	0.5	10

Remark: ND = Not Detected
 Detection Limit : 0.2 mg/kg

Tested Components: Please See Component List In The Last Section of This Report

7 Flame Retardants:

With Reference to ISO 17881-1:2016 and ISO 17881-2:2016, By Solvent Extraction, Followed By Liquid Chromatography Mass Spectrometric (LC-MS) And Gas Chromatography Mass Spectrometric (GC/MS) and Gas Chromatograph And Mass Selective Detector With Chemical Ionization (GC-ECNI-MS) Or Electron Capture Detector (GC-ECD) Analysis.

	<u>Result (mg/kg)</u>			<u>Requirement (mg/kg)</u>
	(1)	(2)	(3)	
Chlorinated paraffins (C10-C13)	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD)	ND	ND	ND	ND
Polybrominated biphenyls (PBBs)	ND	ND	ND	ND
Tetrabromodiphenyl ether (tetraBDE)	ND	ND	ND	ND
Penta-bromodiphenyl ether (pentaBDE)	ND	ND	ND	ND
Hexa-bromodiphenyl ether (hexaBDE)	ND	ND	ND	ND
Hepta-bromodiphenyl ether (heptaBDE)	ND	ND	ND	ND
Octa-bromodiphenyl ether (octaBDE)	ND	ND	ND	ND
Deca-bromodiphenyl ether (decaBDE)	ND	ND	ND	ND
Tetrabromobisphenol A (TBBP A)	ND	ND	ND	ND
Tri-o-cresyl phosphate	ND	ND	ND	ND
Tris (2,3-dibromopropyl) phosphate (TRIS)	ND	ND	ND	ND
Bis (2,3-dibromopropyl) phosphate	ND	ND	ND	ND
Tris(2-chloroethyl) phosphate (TCEP)	ND	ND	ND	ND
Tris (1,3-dichloro-2-propyl) phosphate (TDCPP)	ND	ND	ND	ND
Trixylyl phosphate (TXP)	ND	ND	ND	1000
Tris (1-aziridinyl)-phosphate oxide (TEPA)	ND	ND	ND	ND
Tris (1-chloro-2-propyl) phosphate (TCPP)	ND	ND	ND	--
All other Polybrominated diphenyl ethers (PBDEs)	ND	ND	ND	--

Remark : ND = Not detected

Detection limit = C10-C13:100 mg/kg, others:5 mg/kg

Tested Components: Please See Component List In The Last Section Of This Report.

8 Organotin Content:

With reference to ISO/TS 16179:2012, by solvent extraction and followed by Gas Chromatography Mass Spectrometric (GC/MS) analysis.

Chemical Substance	Result (mg/kg)			Requirement (mg/kg)
	(1)	(2)	(3)	
Dibutyltin (DBT) compounds	ND	ND	ND	1.0
Tributyltin (TBT) compounds	ND	ND	ND	ND
Triphenyltin (TPhT) compounds	ND	ND	ND	ND
Diocetyl tin (DOT) compounds	ND	ND	ND	1000
Monobutyltin (MBT) compounds	ND	ND	ND	--
Tricyclohexyltin (TCyHT) compounds	ND	ND	ND	--
Trimethyltin (TMT) compounds	ND	ND	ND	--
Triocetyl tin (TOT) compounds	ND	ND	ND	--
Tripropyltin (TPT) compounds	ND	ND	ND	--
Other Organotins Δ	ND	ND	ND	--

Remark: mg/kg = milligram per kilogram
 Detection limit = 0.05 mg/kg
 ND = Not detected

Δ = Determination was based on analysis of below organotins:

Dimethyltin (DMT)	Diphenyltin (DPHT)
Monomethyltin (MMT)	
Monooctyltin (MOT)	Tetrabutyltin (TeBT)

Tested Components: Please See Component List In The Last Section Of This Report.

9 Solvents and Volatile Organic Compounds (VOCs)

Solvent Extraction, Followed By Gas Chromatography Mass Spectrometry (GC-MS) Or Liquid Chromatography Mass Spectrometry (LC-MS) Analysis.
For DMFA With Reference To ISO/TS 16189:2013.

<u>Compounds</u>	<u>Result (mg/kg)</u>	<u>Detection Limit (mg/kg)</u>	<u>Requirement (mg/kg)</u>
	(1+2+3)		
Benzene	ND	1	5
Ethylbenzene	ND	50	1000
Styrene	ND	50	1000
Toluene	ND	50	1000
Trichloromethane (Chloroform)	ND	50	1000
Tetrachloromethane	ND	50	1000
1,2-Dichloroethane	ND	50	1000
1,1,1-Trichloroethane	ND	50	1000
1,1,2-Trichloroethane	ND	50	1000
1,1,1,2-Tetrachloroethane	ND	50	1000
1,1,2,2-Tetrachloroethane	ND	50	1000
Pentachloroethane	ND	50	1000
1,1-Dichloroethylene	ND	50	1000
Trichloroethylene (TCE)	ND	50	1000
Tetrachloroethene (Perchloroethylene)	ND	50	1000
N,N-Dimethylacetamide (DMAC)	ND	50	1000
N,N-Dimethylformamide (DMF)	ND	50	1000
N-Methylpyrrolidone (NMP)	ND	50	1000
Carbon Disulfide	ND	50	1000

Remark: ND=Not Detected

Tested Components: Please See Component List In The Last Section Of This Report.

10 Chlorinated Paraffins (C10-C13)

With Reference To CADS/ISO 18219:2015 method V1:06/17, By Solvent Extraction, Determined By Gas Chromatograph Electron Capture Detector (GC-ECD) or Liquid Chromatograph with Tandem Mass Spectrometer (LC-MS/MS) for Screening or/and Gas Chromatograph And Mass Selective Detector With Chemical Ionization (GC-ECNI-MS) for Quantitation.

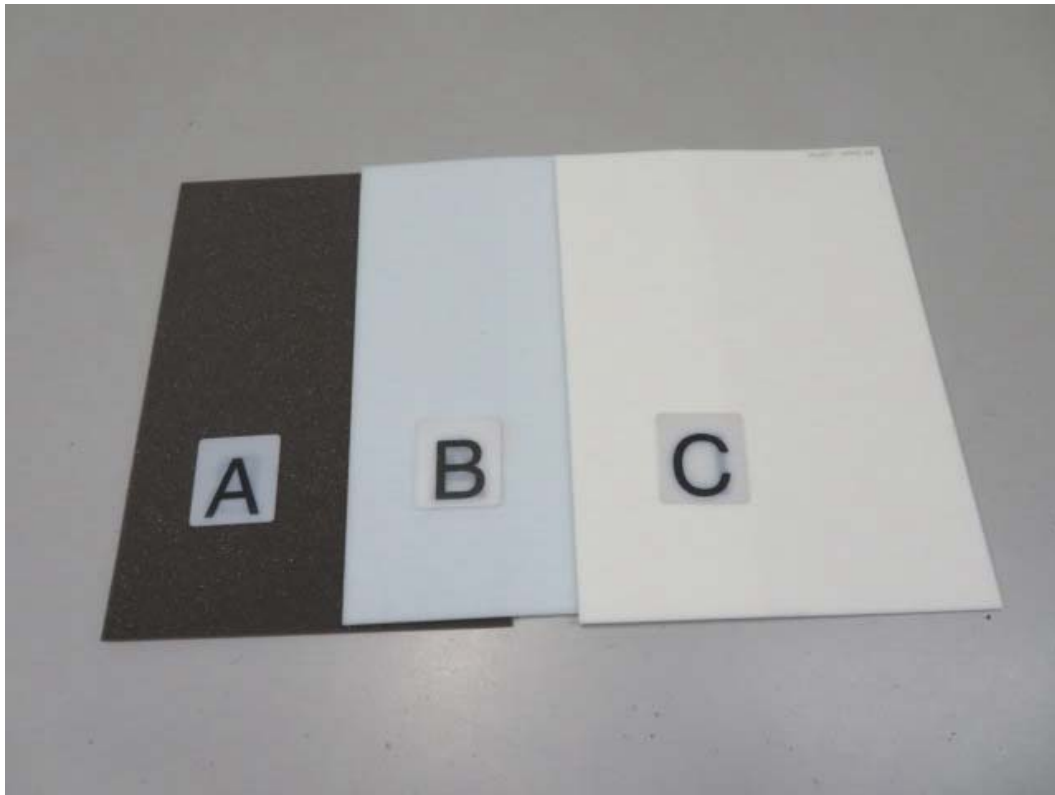
<u>Tested Components</u>	<u>Result In ppm</u> (1+2+3)	<u>Requirement In ppm</u>
Short Chained Chlorinated Paraffin (SCCP) (C10-C13)	ND	1000

Remark: ppm = Parts Per Million=mg/kg
Detection Limit = 100 mg/kg
ND = Not Detected

Tested Components: Please See Component List In The Last Section Of This Report.

Component List:

- (1) Black PU Sponge (Sample A).
 - (2) Light Blue PU Sponge (Sample B).
 - (3) White PU Sponge (Sample C).
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End of Report

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