

Applicant: CRECIMIENTO ZHONGSHAN FOOTWEAR
MATERIAL CO.,LTD.
2ND IND.ESTATE,BAISHI SANXIANG,
ZHONGSHAN CITY,GUANGDONG PROVINCE,
CHINA

Report Issued Date: Dec 05, 2018

Attn: RUBY WANG
RSL

Overall Rating	
Pass	X
Fail	
No comment	

Conclusion:

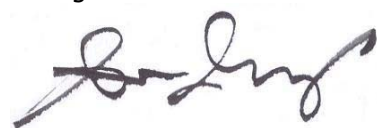
TEST PROPERTY	PDM Sequence	RATING	TEST SUMMARY
Total Lead (Pb) Lead In Non-Surface Coating	A,B	M	
Total Cadmium (Cd) Content	A,B	M	
Phthalate Content Test	A,B	M	
Organotin Content	A,B	M	
Polycyclic Aromatic Hydrocarbons (PAH) Content	A,B	M	
Perfluorooctanyl Sulfonates (PFOS) And Perfluorooctanoic Acid (PFOA) Content	A,B	M	

Note : M = Meet Buyer's Requirement
= No Comment
N/A = Not Applicable

C = Conform Label

F = Below Buyer's Requirement
- = Did Not Perform
M# = Conditional Acceptable Refer To The Test Result For Details
* = See Remark

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



Huang Ning, Andy
Assistant General Manager



Sample Description As Declared :

Two (2) groups submitted sample said to be: (A) NW50 (WPN)
(B) NW329 (WPN)

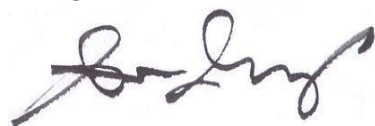
CSC Materials Research Representative : --
Fabric / Material Type : --
Fiber / Material Content : Polyurethane
Season : F19
PDM Colour : Light Blue
PDM Description : --
PDM No. : 031889, 031888

End Uses : --
Brand : Columbia
Material/Fabric/Garment Finish : --
Material Supplier Name : CRMTO
PO No. : --
Style No. : --
Style Name : --
Buy Date (mm/dd/yyyy) : --
Country of Origin : --
Test Type : Production
Supplier Type : Trims Supplier
Category : Footwear
CSC Liaison Office (Lo#) : China
Test Program : RSL Program

Retest, Previous Report No. : --
Ref. : --

Applicant's Provided Care Instruction/Label : --
Sample Received Date : Nov 23, 2018
Final Confirmation Received Date : Dec 04, 2018
Test Completion Date : Dec 04, 2018

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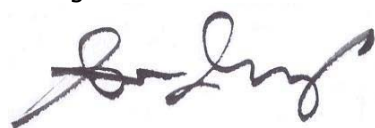
Huang Ning, Andy
Assistant General Manager



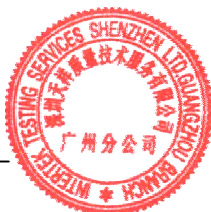
PDM Sequence	PDM color	PDM Description	PDM No.
A	Light blue	--	031889
B	Light blue	--	031888

Sample No.	Sample Description As Declared	PDM Sequence
1.	Light blue sponge.	A
2.	Light blue sponge.	B

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1 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

With Reference To Metal: CPSC-CH-E1001-08.3:2012, Non Metal: CPSC-CH-E1002-08.3:2012, Acid Digestion Method Was Used And The Total Lead Content Was Determined By Inductively Coupled Argon Plasma Spectrometry

<u>Tested Components</u> (1+2)	<u>PDM Number</u> -	<u>Result In ppm</u> ND	<u>Limit In ppm</u> 100
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Remark: ppm = Parts Per Million
Detection Limit = 10 ppm
ND = Not detected

2 Total Cadmium (Cd) Content:

With Reference To Metal: CPSC-CH-E1001-08.3:2012, Non Metal: CPSC-CH-E1002-08.3:2012, Coating: CPSC-CH-E1003-09.1:2011 And Total Cadmium Content Was Determined By Inductively Coupled Argon Plasma Spectrometry / Atomic Absorption Spectrophotometer.

<u>Tested Components</u> (1+2)	<u>Result In ppm</u> ND	<u>Limit In ppm</u> 40
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Remark: ppm = parts per million
Detection Limit = 10 ppm
ND = Not Detected

3 Phthalate Content

With Reference To CPSC-CH-C1001-09.3, By Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis

Chemical Name	CAS Number	Result (mg/kg)	Limit (mg/kg)
		(1+2)	
Bis-(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	--
Butylbenzyl phthalate (BBP)	85-68-7	ND	--
Dibutyl phthalate (DBP)	84-74-2	ND	--
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	--
Diethylhexyl phthalate (DEHP)	117-81-7	ND	--
Diethyl phthalate (DEP)	84-66-2	ND	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	--
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	--
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	--
Di-isooctyl phthalate (DIOP)	27554-26-3	ND	--
Di-iso-pentyl phthalate (DIPP)	605-50-5	ND	--
Dimethyl phthalate (DMP)	131-11-3	ND	--
Di-n-hexyl phthalate (DNHP)	84-75-3	ND	--
Di-n-octyl phthalate (DNOP)	117-84-0	ND	--
Dinonyl phthalate (DNP)	84-76-4	ND	--
Di-n-pentyl phthalate (DnPP)	131-18-0	ND	--
Di-n-propyl phthalate (DPRP)	131-16-8	ND	--
n-Pentyl-isopentyl phthalate(NpiPP)	776297-69-9	ND	--
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	--
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	ND	--
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear(DniPP)	84777-06-0	ND	--
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	--
Sum of all above 22 Phthalates	--	ND	500

Turkey's Requirement Below 0.1%(1000 mg/kg) For Sum Of 6 Phthalates (DEHP, DBP, BBP, DINP, DIDP, DNOP)

Remark: Detected Limit = 50 mg/kg
ND = Not Detected

4 Organotin Content

With Reference To ISO/TS 16179-2012, Ethanol Extraction With Gas Chromatographic – Mass Spectrometric(GC-MS) Analysis.

Substance	Result in mg/kg (1+2)	Limit in mg/kg
Monomethyltin compounds (MMT)	ND	2.0
Monobutyltin compounds (MBT)	ND	1.0
Monooctyltin compounds (MOT)	ND	2.0
Dimethyltin compounds (DMT)	ND	0.5
Dibutyltin compounds (DBT)	ND	1.0
Diphenyltin compounds (DPhT)	ND	2.0
Diocetyl tin compounds (DOT)	ND	1.0
Trimethyltin compounds (TMT)	ND	0.5
Tripropyltin compounds (TPT)	ND	0.5
Tributyltin compounds (TBT)	ND	0.5
Triphenyltin compounds (TPhT)	ND	0.5
Triocetyl tin compounds (TOT)	ND	0.5
Tetrabutyltin compounds (TTBT)	ND	0.5
Tetraoctyltin compounds (TTOT)	ND	0.5
Tricyclohexyltin compounds (TCyHT)	ND	0.5

Remark : ND = Not Detected
Detection Limit = 0.05mg/kg

5 Polycyclic Aromatic Hydrocarbons (PAH) Content

With Reference To The Document AfPS GS 2014:01 PAK Issued By Ausschuss für Produktsicherheit (AfPS), By Solvent Extraction And Determined By Gas Chromatographic - Mass Spectrometry (GC/MS).

No	Testing Item	Result (mg/kg)	Limit (mg/kg)
			<u>Skin Contacted</u>
		(1+2)	Others
1	Benzo[a]anthracene	ND	1.0
2	Benzo[a]pyrene (BaP)	ND	1.0
3	Benzo[b]fluoranthene	ND	1.0
4	Benzo[k]fluoranthene	ND	1.0
5	Chrysene	ND	1.0
6	Dibenz[a,h]anthracene	ND	1.0
7	Benzo[e]pyrene	ND	1.0
8	Benzo[j]fluoranthene	ND	1.0
9	Acenaphthene	ND	1.0
10	Acenaphthylene	ND	1.0
11	Anthracene	ND	1.0
12	Benzo[ghi]perylene	ND	1.0
13	Fluoranthene	ND	1.0
14	Fluorene	ND	1.0
15	Indeno[1,2,3-cd]pyrene	ND	1.0
16	Naphthalene	0.3	1.0
17	Phenanthrene	ND	1.0
18	Pyrene	ND	1.0
	Sum of above PAHs	0.3	10

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

6 Perfluorooctane Sulfonates (PFOS) And Perfluorooctanoic Acid (PFOA):

With Reference To CEN/TS 15968, By Liquid Chromatographic – Tandem Mass Spectrometric (LC-MS/MS) Analysis.

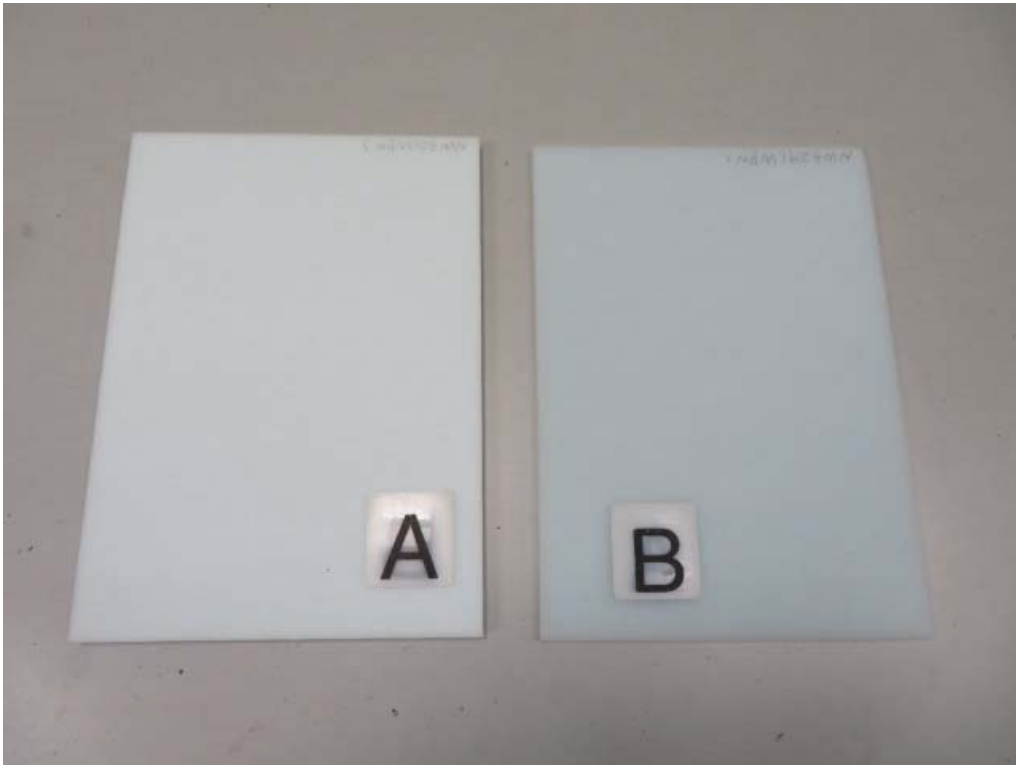
<u>Compounds</u>	<u>Result In $\mu\text{g}/\text{m}^2$</u>		<u>Requirement In $\mu\text{g}/\text{m}^2$</u>
	(1)	(2)	
Perfluorooctanesulfonic Acid And Its Derivatives (PFOS)^	ND	ND	ND
Perfluorooctane Acid (PFOA)	ND	ND	ND

Remark : ND = Not Detected

$\mu\text{g}/\text{m}^2$ = microgram per square meter

Detection Limit = 1 $\mu\text{g}/\text{m}^2$

^ = The reported value was calculated by summation of the values of Perfluorooctanesulfonic acid, Perfluorooctanesulfonamide, N-Methyl-Perfluorooctanesulfonamide, N-Ethyl-Perfluorooctanesulfonamide, N-Methyl-Perfluorooctanesulfonamidoethanol and N-Ethyl-Perfluorooctanesulfonamidoethanol.



End of Report

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