Test Report No.66.441.17.16223.01
Dated 2017-10-17

Applicant:	Ji'an City Sanling Microfiber Co.,Ltd.
Address:	No.1 Huandao Rd.(South),Jinggangshan National Economic &Technology Industry Zone, Ji'an， Jiangxi, China
Contact Person:	Feeling Hua
Test Subject:	pu coated microfiber leather
Fiber Content:	Nylon, Pu
Country Of Origin:	China
Color:	Beige
Sample Received Date:	2017-09-28
Date of Testing:	2017-09-29 to 2017-10-16
Sample submitted:	The sample(s) was (were) submitted by applicant and identified.
Test result(s):	Refer to the Section 3

1. Description of the test subject:

	
1. Beige PU coated microfiber leather	

2. Conclusion:

No.	Test Parameter(s)	Conclusion^	Failed Component(s)	Failed Result
1	174 Substances Of Very High Concern (SVHC)	Pass	-	-

Note: Pass= Meet Requirement Fail= Below Requirement
Preliminary Fail (separate tests are recommended)
#= No Comment - = Did Not Perform
N/A = Not Applicable

Remark: (1) The results relate only to the items tested (2) Samples are tested as received (3) "^" denotes conclusion was drawn according to the specified scope and analytical techniques, the limit of the concentration of each of the 174 SVHC is <0.1% (w/w) in the submitted sample(s).

3. Test Results

Analysis of the 174 substances of very high concern (SVHC) on the Candidate List for authorization, concerning Regulation (EC) No. 1907/2006 as published on the European Chemicals Agency (ECHA) website in October 2008, January 2010, March 2010, June 2010, December 2010, June 2011, December 2011, June 2012, December 2012, June 2013, December 2013 June 2014 , December 2014, June 2015, December 2015, June 2016, January 2017 and July 2017.

Analysis based on LCMS, LCMSMS, GCMS, Headspace-GCMS, ICP-OES/AAS, UV-VIS and XRF.

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
1	Anthracene	120-12-7	N.D.	0.01
2	4,4'- Diaminodiphenylmethane	101-77-9	N.D.	0.01
3	Dibutyl phthalate (DBP)	84-74-2	N.D.	0.01
4	Cobalt dichloride *	7646-79-9	N.D.	0.01
5	Diarsenic pentaoxide*	1303-28-2	N.D.	0.01
6	Diarsenic trioxide *	1327-53-3	N.D.	0.01
7	Sodium dichromate *	7789-12-0 10588-01-9	N.D.	0.01
8	5-tert-butyl-2,4,6-trinitro-m -xylene (musk xylene)	81-15-2	N.D.	0.01
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	N.D.	0.01
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	N.D.	0.01
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	N.D.	0.01
12	Bis(tributyltin)oxide,(TBTO)*	56-35-9	N.D.	0.01
13	Lead hydrogen arsenate *	7784-40-9	N.D.	0.01
14	Benzyl butyl phthalate (BBP)	85-68-7	N.D.	0.01
15	Triethyl arsenate *	15606-95-8	N.D.	0.01
16	Anthracene oil[§]	90640-80-5	N.D.	0.01
17	Anthracene oil, anthracene paste, distn. lights[§]	91995-17-4	N.D.	0.01
18	Anthracene oil, anthracene paste, anthracene fraction[§]	91995-15-2	N.D.	0.01
19	Anthracene oil, anthracene-low[§]	90640-82-7	N.D.	0.01
20	Anthracene oil, anthracene paste[§]	90640-81-6	N.D.	0.01
21	Pitch, coal tar, high temp. [§]	65996-93-2	N.D.	0.01
22	Aluminosilicate Refractory Ceramic Fibres*	-	N.D.	0.01
23	Zirconia Aluminosilicate, Refractory Ceramic Fibres*	-	N.D.	0.01
24	2,4-Dinitrotoluene	121-14-2	N.D.	0.01

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
25	Diisobutyl phthalate	84-69-5	N.D.	0.01
26	Lead chromate*	7758-97-6	N.D.	0.01
27	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	N.D.	0.01
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	N.D.	0.01
29	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	N.D.	0.01
30	Acrylamide	79-06-1	N.D.	0.01
31	Trichloroethylene	79-01-6	N.D.	0.01
32	Boric Acid*	10043-35-3 11113-50-1	N.D.	0.01
33	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	N.D.	0.01
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	N.D.	0.01
35	Sodium chromate*	7775-11-3	N.D.	0.01
36	Potassium chromate*	7789-00-6	N.D.	0.01
37	Ammonium dichromate*	7789-09-5	N.D.	0.01
38	Potassium dichromate*	7778-50-9	N.D.	0.01
39	Cobalt(II) sulphate *	10124-43-3	N.D.	0.01
40	Cobalt(II) dinitrate *	10141-05-6	N.D.	0.01
41	Cobalt(II) carbonate*	513-79-1	N.D.	0.01
42	Cobalt(II) diacetate*	71-48-7	N.D.	0.01
43	2-Methoxyethanol	109-86-4	N.D.	0.01
44	2-Ethoxyethanol	110-80-5	N.D.	0.01
45	Chromium trioxide*	1333-82-0	N.D.	0.01
46	Acids generated from chromium trioxide and their oligomers: a. Chromic acid* b. Dichromic acid * c. Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	N.D.	0.01
47	2-Ethoxyethyl acetate (2-EEA)	111-15-9	N.D.	0.01
48	Strontium chromate*	7789-06-2	N.D.	0.01
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) §	68515-42-4	N.D.	0.01
50	Hydrazine	7803-57-8, 302-01-2	N.D.	0.01
51	1-Methyl-2-pyrrolidone	872-50-4	N.D.	0.01
52	1,2,3-Trichloropropane	96-18-4	N.D.	0.01
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	N.D.	0.01

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
54	1,2-Dichloroethane	107-06-2	N.D.	0.01
55	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	N.D.	0.01
56	2-Methoxyaniline, o-Anisidine	90-04-0	N.D.	0.01
57	4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	N.D.	0.01
58	Arsenic acid*	7778-39-4	N.D.	0.01
59	Bis(2-methoxyethyl) ether	111-96-6	N.D.	0.01
60	Bis(2-methoxyethyl) phthalate	117-82-8	N.D.	0.01
61	Calcium arsenate*	7778-44-1	N.D.	0.01
62	Dichromium tris(chromate)*	24613-89-6	N.D.	0.01
63	Formaldehyde, oligomeric reaction products with aniline (technical MDA)§	25214-70-4	N.D.	0.01
64	Lead diazide*	13424-46-9	N.D.	0.01
65	Lead dipicrate*	6477-64-1	N.D.	0.01
66	Lead styphnate*	15245-44-0	N.D.	0.01
67	N,N-dimethylacetamide (DMAC)	127-19-5	N.D.	0.01
68	Pentazinc chromate octahydroxide*	49663-84-5	N.D.	0.01
69	Phenolphthalein	77-09-8	N.D.	0.01
70	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	N.D.	0.01
71	Trilead diarsenate*	3687-31-8	N.D.	0.01
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	N.D.	0.01
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	N.D.	0.01
74	Diboron trioxide*	1303-86-2	N.D.	0.01
75	Formamide	75-12-7	N.D.	0.01
76	Lead(II) bis(methanesulfonate)*	17570-76-2	N.D.	0.01
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	N.D.	0.01
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	N.D.	0.01
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	N.D.	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	N.D.	0.01
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)^	2580-56-5	N.D.	0.01

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
82	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylid ene]dimethylammonium chloride (C.I. Basic Violet 3)^	548-62-9	N.D.	0.01
83	4,4'-bis(dimethylamino)-4''-(methylamino)tr ityl alcohol^	561-41-1	N.D.	0.01
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)^	6786-83-0	N.D.	0.01
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	N.D.	0.01
86	Pentacosafluorotridecanoic acid	72629-94-8	N.D.	0.01
87	Tricosafluorododecanoic acid	307-55-1	N.D.	0.01
88	Henicosafluoroundecanoic acid	2058-94-8	N.D.	0.01
89	Heptacosafluorotetradecanoic acid	376-06-7	N.D.	0.01
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated§	-	N.D.	0.01
91	4-Nonylphenol, branched and linear - *substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol*§	-	N.D.	0.01
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	N.D.	0.01
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	N.D.	0.01
94	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	N.D.	0.01
95	Methoxy acetic acid	625-45-6	N.D.	0.01
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	N.D.	0.01
97	Diisopentylphthalate (DIPP)	605-50-5	N.D.	0.01
98	N-pentyl-isopentylphtalate	-	N.D.	0.01
99	1,2-Diethoxyethane	629-14-1	N.D.	0.01
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	N.D.	0.01
101	Dibutyltin dichloride (DBT)	683-18-1	N.D.	0.01
102	Acetic acid, lead salt, basic*	51404-69-4	N.D.	0.01
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	1319-46-6	N.D.	0.01
104	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	N.D.	0.01
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	N.D.	0.01
106	Dioxobis(stearato)trilead*	12578-12-0	N.D.	0.01
107	Fatty acids, C16-18, lead salts*	91031-62-8	N.D.	0.01
108	Lead bis(tetrafluoroborate)*	13814-96-5	N.D.	0.01
109	Lead cynamidate*	20837-86-9	N.D.	0.01

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
110	Lead dinitrate*	10099-74-8	N.D.	0.01
111	Lead oxide (lead monoxide)*	1317-36-8	N.D.	0.01
112	Lead tetroxide (orange lead)*	1314-41-6	N.D.	0.01
113	Lead titanium trioxide*	12060-00-3	N.D.	0.01
114	Lead Titanium Zirconium Oxide*	12626-81-2	N.D.	0.01
115	Pentalead tetraoxide sulphate*	12065-90-6	N.D.	0.01
116	Pyrochlore, antimony lead yellow*	8012-00-8	N.D.	0.01
117	Silicic acid, barium salt, lead-doped*	68784-75-8	N.D.	0.01
118	Silicic acid, lead salt*	11120-22-2	N.D.	0.01
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	N.D.	0.01
120	Tetraethyllead*	78-00-2	N.D.	0.01
121	Tetralead trioxide sulphate*	12202-17-4	N.D.	0.01
122	Trilead dioxide phosphonate*	12141-20-7	N.D.	0.01
123	Furan	110-00-9	N.D.	0.01
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	N.D.	0.01
125	Diethyl sulphate	64-67-5	N.D.	0.01
126	Dimethyl sulphate	77-78-1	N.D.	0.01
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxa zolidine	143860-04-2	N.D.	0.01
128	Dinoseb	88-85-7	N.D.	0.01
129	4,4'-methylenedi-o-toluidine	838-88-0	N.D.	0.01
130	4,4'-oxydianiline and its salts	101-80-4	N.D.	0.01
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	N.D.	0.01
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	N.D.	0.01
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	N.D.	0.01
134	Biphenyl-4-ylamine	92-67-1	N.D.	0.01
135	o-aminoazotoluene	97-56-3	N.D.	0.01
136	o-Toluidine; 2-Aminotoluene	95-53-4	N.D.	0.01
137	N-methylacetamide	79-16-3	N.D.	0.01
138	1-bromopropane; n-propyl bromide	106-94-5	N.D.	0.01
139	Cadmium	7440-43-9	N.D.	0.01
140	Cadmium oxide	1306-19-0	N.D.	0.01
141	Dipentyl phthalate (DPP)	131-18-0	N.D.	0.01

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
142	4-Nonylphenol, branched and linear, ethoxylated §	-	N.D.	0.01
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	N.D.	0.01
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	N.D.	0.01
145	Cadmium sulphide*	1306-23-6	N.D.	0.01
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	N.D.	0.01
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	N.D.	0.01
148	Dihexyl phthalate	84-75-3	N.D.	0.01
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	N.D.	0.01
150	Lead di(acetate)*	301-04-2	N.D.	0.01
151	Trixylyl phosphate	25155-23-1	N.D.	0.01
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	N.D.	0.01
153	Cadmium chloride*	10108-64-2	N.D.	0.01
154	Sodium perborate; perboric acid, sodium salt*	-	N.D.	0.01
155	Sodium peroxometaborate*	7632-04-4	N.D.	0.01
156	Cadmium fluoride*	7790-79-6	N.D.	0.01
157	Cadmium sulphate*	10124-36-4; 31119-53-6	N.D.	0.01
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	N.D.	0.01
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	N.D.	0.01
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	N.D.	0.01
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) §	-	N.D.	0.01
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) §	68515-51-5; 68648-93-1	N.D.	0.01
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] §	-	N.D.	0.01

No	Test Item	CAS No.	Result (%)	Reporting Limit (%)
			Sample 001	
164	1,3-propanesultone	1120-71-4	N.D.	0.01
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1 (223-383-8)	N.D.	0.01
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) §	36437-37-3 (253-037-1)	N.D.	0.01
167	Nitrobenzene	98-95-3 (202-716-0)	N.D.	0.01
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts§	375-95-1; 21049-39-8; 4149-60-4 (206-801-3)	N.D.	0.01
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8 (200-028-5)	N.D.	0.01
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	N.D.	0.01
171	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	N.D.	0.01
172	4-heptylphenol, branched and linear (4-HPbl)	-	N.D.	0.01
173	4-tert-pentylphenol (PTAP)	80-46-6	N.D.	0.01
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4 (206-587-1)	N.D.	0.01

Note:
1. N.D. denotes not detected
2. "*" denotes concentration of the SVHC was conversion of test results of the corresponding metal ion
3. "§" The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological material), the test results are calculated based on the main constituents.

TÜV SÜD Certification and Testing (China) Co., Ltd. Xia Men Branch

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-- END OF THE TEST REPORT --