

FLEXFIT, LLC.

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Yupoong Inc. has taken every possible measure to ensure that our products do not expose any harmful substances to both people and the environment. There have been a growing number of product-related regulations worldwide, and we have worked on the development of the audit system to eliminate harmful substances from the beginning of the manufacturing process and to ensure that the final products are harmless and environmentally safe.

With the consultancy of SGS, an accredited third party, we have set our own product safety standards called Restricted Substances Control List that surpasses most applicable safety standards: California's Safe Drinking Water and Toxic Enforcement Act (Proposition 65), US Consumer Product Safety Improvement Act (CPSIA), EU REACH, to name a few. (Please see attached.) The raw materials and components we mainly use are tested by SGS on a regular basis, and we have done materials and components testing by SGS upon buyer's request, all of which results have demonstrated that our products are in compliant with federal and state standards, including CPSIA and Proposition 65.

Our main concern is sustainability and safety as we manufacture our products, and we welcome any suggestions you may have.

Sincerely,


YD Kim

General Manager of global sales

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Yupoong Restricted Substances List(RSL) Matrix

Recommended Tests for Safety Compliance									
Test Item	Recommended Requirement	Test Method	Plastics and other synthetic materials - PU, PVC, Rubber, TPU, TPA, EVA	FU Synthetic Leather	Natural leather	Synthetic & Blend leather	Natural Leather	Metal parts	Remarks
Regulatory Chemical Test Parameters									
Total Cadmium	40 mg/kg	Polymer EN 1122 Others EPA 3052	●	●			●	●	
Total Lead	40 mg/kg	EPA 3052	●	●			●	●	
Total Mercury	0.5 mg/kg	EPA 3052	●	●			●	●	
Total Arsenic	10 mg/kg	EPA 3052	●	●			●	●	
Chromium VI	3 mg/kg	ISO 17075					●		
Chromium VI (leaking)	3 mg/kg	ISO 17075 Modified					●		
Extractable Heavy Metals									
Antimony (Sb)	10 mg/kg	ISO 105-E04 analysis with ICP Or (VI) with LHM/MS Leather ISO 17072-1	●	●	●	●	●		
Barium	1000 mg/kg		●	●	●	●	●		
Arsenic (As)	0.2 mg/kg		●	●	●	●	●		
Lead (Pb)	0.2 mg/kg		●	●	●	●	●		
Cadmium (Cd)	0.1 mg/kg		●	●	●	●	●		
Chromium (Cr)	1.0 mg/kg		●	●	●	●	●		
Chromium VI (Cr-VI)	0.5 mg/kg		●	●	●	●	●		
Cobalt (Co)	1.0 mg/kg		●	●	●	●	●		
Copper (Cu)	25.0 mg/kg		●	●	●	●	●		
Nickel (Ni)	1.0 mg/kg		●	●	●	●	●		
Mercury (Hg)	0.02 mg/kg		●	●	●	●	●		
Selenium (Se)	100 mg/kg		●	●	●	●	●		
Nickel Release	0.28 µg/cm ² /week		EN 12472 + EN 1811						●
Pesticides	1 mg/kg	EPA 8081			○		○		
Phthalates (4 items)	DEHP-MSB -DBP-DBP -BBP-DBP Sum of rest -500 mg/kg	CPSC-CHC1001-09.4	●	●					
Formaldehyde	16 mg/kg	Testile ISO 14184 Leather ISO 17206		●	●	●	●		
pH Value	4.0 - 7.5	Testile ISO 2071(HCEL) Leather ISO 4545		●	●	●	●		
Azo Dyes	14 mg/kg	Testile EN 14302.1, 2012 Leather ISO 17234		●	●	●	●		
Allergenic Disperse dyes & Carcinogenic dyes	Disperse dyes - 50 mg/kg Carcinogenic dyes - 5 mg/kg	DIN 54031		●	●	●	●		
Chlorinated phenols (PCP/TCF/TCP/DCP/MCP/OPP)	0.5 mg/kg DPP - 500 mg/kg	Testile - 04 LFG9 42 G2 8 Leather ISO 17070		●	●	●	●		
Organotin Compounds (DBT/ DOT/ MBT/ MOT/ TBT/ TPT/ TPTT/ TPTTT/ DIBTC)	DBT - 1.0 mg/kg DOT - 1.0 mg/kg MBT - 1.0 mg/kg MOT - 1.0 mg/kg TBT - 0.05 mg/kg TPT - 1.0 mg/kg TPTT - 1.0 mg/kg TPTTT - 1.0 mg/kg DIBTC - 1.0 mg/kg	ISO 17353	●	●	●	●	●		
Short Chain Chloro-paraffins (SCCP) (C10 - C13) (required if sample treated with Flame Retardants)	50 mg/kg	SGS In-House	●	●			●		
Medium Chain Chloro-paraffins (MCCP) (C14 - C17) (required if sample treated with Flame Retardants)	50 mg/kg	SGS In-House	○	○			○		
Allylphenols (APs) & Allylphenols Ethoxycates (APEOs)	AP - 100 mg/kg APEO - 100 mg/kg	SGS In-House	●	●	●	●	●		
Polycyclic Aromatic Hydrocarbons (PAHs)	each 8 PAHs - 1.0 ppm sum of 10 PAHs - 10 ppm	APS GS 2014 01	●	●	○	○	○		
Dimethyl Fumarate (DMF)	0.1 mg/kg	Testile EN 11130 2019 All other materials - ISO/TS 16788:2012						●	
Dimethylformamide (DMF) (required if sample printed or coated)	500 mg/kg	ISO/TS 16189, GC/MS	●	●					
Dimethylacetamide (DMAC)	1000 mg/kg	ISO/TS 16189, GC/MS	●	●		○			
HBP	1000 mg/kg	ISO/TS 16189, GC/MS	●	●					
Chlorinated Organic Carriers (Chlorinated acetone)	1 mg/kg	EN 11137				●			
PVC	Negative	FT-IR	●	●					
Quoline	50 mg/kg	DIN 54031 2005 Extraction with methanol at 70C By LC/MS			○	●			
DA/DB/DB	1.000 mg/kg	Solvent extraction / GC/MS			○	○		○	
VOC (Hexane/Toluene/naphthalene)	1.000 mg/kg	ISO/TS 16189	○	○	○	○	○	○	
Regulatory Chemical Test Parameters with Conditions/Optional test									
PFCs (required if sample declared with stain and water repellent finishing)	Textile/Coated material - 1 µg/m ² Plastic material - 0.1%	PFOE/PFOA FprCEN/TS 15068 PFC 338 - SGS In-House							-
Flame Retardants (FRB, TRIS, TEPA, Permethane, Octadecyl DecaBDE) (required if sample treated with Flame Retardants)	Not Detected	SGS In-House							-
Isobutylene if 2-Phenyl-2-propanol	50 mg/kg (for each) EVA materials	In-House method, GC/MS							
Phenol if 2-Phenyl-2-propanol	15 mg/kg BLOWN materials if 2-Phenyl-2-propanol	In-House method, HPLC/UV/DAD							
Formaldehyde	1.000 mg/kg EVA materials	In-House method, GC/MS							
Odour test	5 grade 2	In house method (Ref. ISO 15985:1 - 1996)							
N-Nitrosamines	NEC(0.05) Rubber, Latex, etc.	KFDA method HPLC/MS/MS							

● = Mandatory Test
○ = Optional Test

Remarks:
 (1) Mixed/composite test with a maximum of 3 colors of homogeneous material will be performed in this package
 (2) All packages are for raw material and include CHE test group only. If there is more than one test group per parameter, additional price with special offer is required.
 (3) In case if the composite test is "optional" (○) equipment or "Fail" (lower than limit), individual in-test on these components is highly recommended and should be proceeded after confirmation with client. Additional charge with special offer for individual tested test items is/are required.
 (4) In the case of inadequate samples, additional samples should be submitted for testing. SGS will not conduct chemical tests on particular sample components with insufficient samples provided.

Date: June, 12 2020