

ABOUT YOU Restricted Substance Test Matrix											
Restricted Substance List	Test method	Material							Requirement		
		Plastic and other synthetic material	Natural fiber	Synthetic fiber	Artificial Leather	Coating / Printing	Leather	Metal	Baby (0 - 3 yr)	Children (> 3 yr, < 14 yr)	Adult
Azo Dyes	Textile: ISO 14362-1:2017 Leather: DIN EN ISO 17234-1:2015  4-aminazoobenzene confirmation: Textile: ISO 14362-2:2017 Leather: ISO 17234-2:2011		X	X	X	X (Textile / Leather)	X			20 mg/kg	
Arylamine salt	ISO 14362-1:2017		X	X	X	X (Textile)				Textile products in skin contact / 20 mg/kg	
Alkylphenols & Alkylphenol Ethoxylates (AP & APEO)	AP Textile / Leather: DIN EN ISO 21084:2019  Polymers and all other materials: 1 g sample/20 mL THF, sonication for 60 minutes at 70 degrees C, analysis according to EN ISO 21084:2019  APEO Non-leather: ISO 18254-1:2016 with determination of APEO Leather: ISO 18218-1:2015		X	X	X	X (Textile)				NPEO: 100 mg/kg (Textile Articles intended to be washed)	
Carcinogenic Dye	DIN 54231:2022		X	X	X	X (Textile)				30 mg/kg	
Chromium (VI)	ISO 17075-1:2017 with aging confirmation by ISO 17075-2:2017  Aging condition: EN ISO 10195:2021 method A2						X			3 mg/kg	
Allergenic Disperse dyes	DIN 54231:2022			X	X					50 mg/kg	
Dimethyl Fumarate (DMF) (optional with skin contact is required if the product is packaged with any form of anti-mold agent)	EN ISO 16186:2021 Textiles: EN 17130:2019	O	O	O	O		O			0.1 mg/kg	
Extractable Heavy Metals	Textile: EN 16711-2:2015 Leather: ISO 17072-1:2019	X	X	X	X	X	X (except Cr VI)		Antimony (Sb): 30 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 (Cr-VI): 0.5 mg/kg (except leather) Cobalt (Co): 1.0 mg/kg Copper (Cu): 25 mg/kg (except metal) Mercury (Hg): 0.02 mg/kg Nickel (Ni): 1.0 mg/kg	Antimony (Sb): 30 mg/kg Arsenic (As): 1.0 mg/kg Lead (Pb): 0.2 mg/kg Cadmium (Cd): 0.1 mg/kg Chromium (Cr): non-leather: 2.0 mg/kg Chromium (Cr-VI): non-leather-only: 0.5 mg/kg Cobalt (Co): 4.0 mg/kg Copper (Cu): 50 mg/kg (except metal) Mercury (Hg): 0.02 mg/kg Nickel (Ni): 4.0 mg/kg	Antimony (Sb): 30 mg/kg Arsenic (As): 1.0 mg/kg Lead (Pb): 0.2 mg/kg Cadmium (Cd): 0.1 mg/kg Chromium (Cr): non-leather: 2.0 mg/kg Chromium (Cr-VI): non-leather-only: 0.5 mg/kg Cobalt (Co): 4.0 mg/kg Copper (Cu): 50 mg/kg (except metal) Mercury (Hg): 0.02 mg/kg Nickel (Ni): 4.0 mg/kg
Short Chain Chloroparaffins (SCCP) (C10 - C13)	Leather: DIN EN ISO 18219-1:2021 Textiles: DIN EN ISO 22818:2021	X			X	X (Textile / Leather)	X			1000 mg/kg	
Flame Retardants (required if sample tested with Flame Retardants)	DIN EN ISO 17881-1:2016	O	O	O	O					PBB / TRIS / TEPA: Not Detected HBCDD: 100 mg/kg OctaBDE: 1000 mg/kg 1,2,3,4-TetraBDE / PentaBDE / HexaBDE / HeptaBDE / DecaBDE: 500 mg/kg	
Formaldehyde	Textiles: ISO 15184-1:2011 Leather: ISO 17026-1:2018 (by HPLC method) (ISO 17229-2:2018, Jhu LIV method)		X	X	X	X (Textile / Leather)	X			20 mg/kg	
Nickel Release	EN 12472:2020 / EN 1811:2023-04 + A1:2015						X			Direct and prolong contact with skin: 0.5 µg/cm <sup>2</sup> /week For body piercing: 0.2 µg/cm <sup>2</sup> /week	
Organotin Compounds	Textile: ISO 22744-1:2020 Non-textile: CEN ISO/TS 16179-2:2012	X	X	X	X	X (Textile / Leather / Polymer)	X		Tri-substituted organostannic compounds (except TBT): 1000 mg/kg by weight of tin (sum). TBT: 1000 mg/kg TPHT: 1000 mg/kg DOT: 1000 mg/kg by weight of tin DBT: 1.0 mg/kg TBT: 0.5 mg/kg	Tri-substituted organostannic compounds (except TBT): 1000 mg/kg by weight of tin (sum). TBT: 1000 mg/kg DOT: 1000 mg/kg by weight of tin DBT: 1.0 mg/kg by weight of tin TBT: 1.0 mg/kg	
Polycyclic aromatic hydrocarbons (PAHs)	AFS GS 2019:01 PAK	X		X	X	X (Textile / Leather / Polymer)		BaP, BaP, BaA, CHR, BbF, BkF, BkF, DBA, P, Y, BPE: 0.2 mg/kg (Each) (Prolonged skin contact); 0.5 mg/kg (each) ANT, PHE, FLT, PYR: 1 mg/kg (Sum) (Prolonged skin contact) NAP: 1 mg/kg (prolonged skin contact) 15 PAH: 1 mg/kg (Sum) (prolonged skin contact)	BaP, BaP, BaA, CHR, BbF, BkF, BkF, DBA, P, Y, BPE: 0.5 mg/kg (Each) (Other accessible) ANT, PHE, FLT, PYR: 5 mg/kg (Sum) (Prolonged skin contact); 20 mg/kg (Sum) (Other accessible) NAP: 2 mg/kg (prolonged skin contact); 10 mg/kg (Other accessible) 15 PAH: 5 mg/kg (Sum) (prolonged skin contact); 10 mg/kg (Sum) (Other accessible)	BaP, BaP, BaA, CHR, BbF, BkF, BkF, DBA, P, Y, BPE: 0.5 mg/kg (Each) (Prolonged skin contact); 1 mg/kg (each) (Other accessible) ANT, PHE, FLT, PYR: 10 mg/kg (Sum) (Sum) NAP: 10 mg/kg 15 PAH: 10 mg/kg	
Chlorinated Phenols	Textile: DIN 50009: 2021 Leather: DIN EN ISO 17070:2015		X	X (printed)		X (Textile / Leather)	X			PCP & TeCP Infrat: 0.5 mg/kg (sum) Others: 1 mg/kg (sum)	
Per- and Polyfluorinated Compounds (PFAS)	Leather: ISO 23702-1:2018 Textile: CEN/TS 15968:2010	O	O	O	O		O			PFOS/PFOA: 1 µg/m <sup>2</sup> (textiles or coated textiles); Other consumer products: 1000 mg/kg  PFOA: 0.025 mg/kg PFOA related substances: 1 mg/kg  C9-C14 PFCA and their salts: 25 ppb (sum of C9-C14 PFCA and their salts) C9-C14 PFCA related substances: 260 ppb (sum of C9-C14 PFCA-related substances)  PFHxS and its salts: 25 µg/kg (0.025 mg/kg) (sum) PFHxS-related compounds: 1000 µg/kg (1 mg/kg) (sum)	
Per- and Polyfluorinated Compounds (PFAS) - Total Fluorine (required if sample declared with skin and water repellent finishing)	Measured as total fluorine EN 14322:2016	O	O	O	O		O			Textile articles: (A) Commencing January 1, 2025: < 100 mg/kg as measured in total organic fluorine. (B) Commencing January 1, 2027: < 50 mg/kg as measured in total organic fluorine. Juvenile products: Commencing July 1, 2023: < 100 mg/kg as measured in total organic fluorine	
Pesticides (required if sample declared with biocide or pesticide treatment)	USEPA Method 8081B, 3620B, 3630C (Refer to Annex I)		O							Prohibited (0.5 mg/kg) (if contain preservative treatment)	
pH value (Textile)	Textile: ISO 3071:2020		X	X	X					4.0 - 7.5	
pH value (Leather)	Leather: ISO 4045:2018						X			3.5 - 7.5	
Phthalates	CPSC-CH-C1001-08.4	X				X	X			DEHP / DBP / BBP / DBP / DINP / DMP / DIPP / DiPP / DnHP / DINP / DNOP / DIDP / DCNP: 1000 mg/kg (Each or Total)	
Total Cadmium	EN 16711-1:2015	X				X	X			40 mg/kg	
Total Lead	Metal: CPSC-CH-E1001-08.3 Non-metal: CPSC-CH-E1002-08.3 Surface coating: CPSC-CH-E1003-08.1	X				X	X	X		90 mg/kg	
Total Mercury	EN 16711-1:2015	X				X	X			10 mg/kg	
Total Arsenic	EN 16711-1:2016		X	X	X	X	X			100 mg/kg	
Volatile Organic Substances (VOC)	Headspace GC-MS	X (Exclude fasteners / decorative attachments)				X (Textile)				Textile products in skin contact / Footwear: Benzene: 5 mg/kg	
Orthophenylphenol (OPP)	Textile: DIN EN 17134:2019		X	X			X			Textile: 0.5 mg/kg Textile: 1.0 mg/kg	
Chlorinated benzenes and toluenes	EN 17137:2016			X	X					Chlorinated benzene, Chlorinated toluenes: 1.0 mg/kg (each)	
Hexachlorobenzene (HCB)	EN 17137:2016	X	X	X	X	X (Leather / textile)	X			10 mg/kg	
Quinoline	DIN 54231:2022		X	X		X (Textile)				Textile products in skin contact / Footwear: 50 mg/kg	
Solvent	EN ISO 16189:2022	X (Exclude fasteners / decorative attachments)				X (Textile)				Textile products in skin contact / Footwear: Dimethylformamide (DMF): 3000 mg/kg N,N-dimethylacetamide (DMAc): 3000 mg/kg N-methyl-2-pyrrolidone (NMP): 3000 mg/kg	
N-Nitrosamines	DIN EN 12868:2017	X (Rubber only)								Not detected (0.5 mg/kg) (footwear only)	
SVHC Candidate List	In-house method	X	X	X	X	X	X	X		0.10%	
CA Prop 65	Applicable Section from SGS California Proposition 65 Master File									On the whole product All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	

X = Mandatory  
O = On condition