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SHEIN RSL RESTRICTED SUBSTANCES LIST

【B3】

*This standard is executed in both Chinese and English and both versions of this standard shall have equal validity.
In case of any discrepancy between the English version and the Chinese version, the Chinese version shall prevail.*

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1 Background and purpose

In order to improve the quality management and quality standard systems of SHEIN Group, the RSL Chemical Limited Substance Management Specification has been developed.

In order to standardise the chemical management standards of SHEIN Group to meet the regulatory requirements of various countries and regions worldwide and ensure that SHEIN's products are safely sold worldwide, the RSL Chemical Limited Substance Management Specification has been developed.

This specification is based on relevant regulations in various countries and regions, as well as the restricted substance list provided by AFIRM Group, and is formulated according to the actual business situation of SHEIN Group.

2 Scope

This standard applies to products (e.g. (without limitation) clothing, shoe bags, and accessories) designed, developed, procured and sold by the SHEIN Group under its self-operated business, which have permanent or short-term repeated direct contact with the skin.

This specification applies to all cooperating suppliers who provide finished products to SHEIN, including finished fabrics & trims, clothing, shoes, bags, accessories, and other finished products.

This standard does not apply to products for cosmetic and food contact material.

3 Introduction on regulations

3.1 EU

3.1.1 REACH

Regulation (EC) No 1907/2006, known as Registration, Evaluation, Authorisation and Restriction of Chemicals, or REACH, aims to enhance the protection of human health and the environment from the risks that chemicals may pose, while improving the competitiveness of the EU chemicals industry. It also promotes alternative methods of assessing the hazards of substances in order to reduce the number of tests on animals. The regulation operates mainly in the form of registration, assessment, authorization and restriction.

1) Registration: Under normal or reasonably foreseeable circumstances, the articles contain substances intentionally released, and the total amount of chemical substances intentionally released reaches 1 ton/year, which requires registration.

2) Authorization: substances listed in Annex XIV can only be used after being authorized; When the articles contain more than 0.1% of the substances of high concern (SVHC) in the candidate list, information transmission is required, and when it exceeds 1 ton/year, notification is required.

3) Restriction: REACH Annex XVII restricts chemical substances that may cause unacceptable effects on human health and the environment. If the product contains chemical substances in Annex XVII and exceeds the specified limit, it will be prohibited to put on the EU market.

3.1.2 POPs

Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants, abbreviated POPs, refers to organic substances that persist in the environment, accumulate in living organisms and pose a risk to our health and the environment. They can be transported by air, water or migratory species across international borders to areas where they have never been produced or used. POPs are derived from the Stockholm Convention and the Aarhus Protocol.

The POPs legislation aims to protect human health and the environment through specific control measures such as

- 1) Prohibit or severely restrict the production, placing on the market and use of persistent organic pollutants.
- 2) Minimizing environmental releases of POPs formed as a by-product of industry.
- 3) Ensure that stockpiles of restricted POPs are managed safely.
- 4) Ensure the environmentally sound disposal of wastes consisting of or contaminated with POPs.

For enterprises exporting products to the EU, they mainly focus on the requirements of the list of prohibited substances in Annex I and the list of restricted substances in Annex II. At present, the list of restricted substances in Annex II is empty, so they focus on the requirements of the list of prohibited substances in Annex I. Typical substances include flame retardants such as hexabromocyclodecane (HBCDD), short chain chlorinated paraffin (SCCP), perfluorooctane sulfonic acid and its derivatives (PFOS and its derivatives).

3.1.3 RoHS

The Directive 2011/65/EU, which sets out rules for the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) in order to promote the protection of human health and the environment, including the environmentally sound recycling and disposal of waste EEE. The RoHS Directive establishes rules to restrict the use of certain hazardous substances in electrical and electronic equipment (EEE) in order to promote the protection of human health and the environment, including the environmentally sound recycling and disposal of waste EEE. Phthalates. The scope of products to which the regulations apply is as follows.

- 1) Large domestic appliances.
- 2) Small appliances.
- 3) IT and telecommunications equipment.
- 4) Consumer equipment.
- 5) Lighting.
- 6) Electrical and electronic tools.
- 7) Toys, leisure and sports equipment.
- 8) Medical devices.
- 9) Monitoring instruments include industrial monitoring instruments.
- 10) Automatic dispenser.

11) Other EEE not covered by any of the above categories.

3.2 USA

3.2.1 CPSIA

The Consumer Product Safety Improvement Act of 2008 (CPSIA for short) regulates products used by children aged 12 and under. There are two main requirements.

- 1) The limits are 100mg/kg for lead substrates and 90mg/kg for varnishes or coatings; fabrics using only dyes do not need to be tested.
- 2) The concentration of DEHP, DBP, BBP in children's toys and childcare articles that promote sleeping or feeding, sucking or teething of children aged 3 years and under shall not exceed 0.1%; the concentration of DINP, DIBP, DPENP, DHEXP, DCHP in plasticised components of children's toys and childcare articles shall not exceed 0.1%. The following materials are exempt from phthalate testing requirements.
 - a) Untreated/unfinished wood, metal, natural fibres, natural latex and mineral products.
 - b) Polypropylene PP.
 - c) Polyethylene PE.
 - d) High impact polystyrene HIPS.
 - e) Acrylonitrile butadiene styrene ABS.
 - f) General purpose polystyrene GPPS.
 - g) Medium impact polystyrene MIPS.
 - h) Super High Impact Polystyrene SHIPS.

3.2.2 CSPA

The Children's Safe Products Act, or CSPA for short, is a state statute that requires children's products manufactured and sold in Washington State to be considered. The law is divided into two parts.

- 1) Part I contains restricted substance requirements.
 - a) Lead shall equal to or below 90 mg / kg.
 - b) Cadmium shall equal to or below 40 mg / kg.
 - c) Phthalates each or in total shall equal to or below 1000 mg/kg.
 - d) Flame retardants each shall equal to or below 1000 mg/kg.
- 2) The second section is the Chemical High Concern to Children (CHCC) list, which requires locally registered manufacturers of children's products in Washington State to submit a narrative report on the use of CHCC-listed substances in their products.

3.2.3 California Bill No. 652

The Act can be understood in two parts.

- 1) Restricted substance requirements.
 - a) bottles or cups intended for use by children aged three years or under are prohibited from

containing Bisphenol A at detectable levels above 0.1 µg/kg.

- b) The presence of di(2-ethylhexyl) phthalate, dibutyl phthalate or benzyl butyl phthalate in concentrations exceeding 0.1% is prohibited in toys or childcare articles.
 - c) Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are banned in juvenile products on and after 1 July 2023.
- 2) Youth product range: means products intended for use by infants and children under the age of 12 years, including but not limited to: infant or toddler foam pillows, bassinets, bed pillows, booster seats, changing pads, child restraint systems for use in cars and aircraft, cots, cot mattresses, floor playmats, high chairs, high chair pads, baby rockers, baby carriers, baby seats, baby sleep positioners, baby swings, Travel cots, baby walkers, cots, nursing mats, nursing pillows, play mats, baby enclosures, play yards, polyurethane foam mats, pads or pillows, portable foam sleeping mats, portable baby sleepers, portable hook and loop chairs, soft sided portable cots, prams and toddler mattresses.

3.2.4 California Bill No. 647

The Act specifies the definition of children's jewelry, lead and cadmium limit requirements for children's jewelry, materials allowed to be used in adult and children's jewelry, and additional certification requirements.

- 1) Children's jewelry refers to jewelry specially made for children under 15 years old or sold to children under 15 years old. The following substances are required for jewelry parts:

Substances	Parts	Requirements
Total lead	Accessible parts	≤ 100mg/kg
	Surface coating	≤ 90mg/kg
Total cadmium	Each part	≤ 300mg/kg
Soluble cadmium	Surface coating	≤ 75mg/kg

- 2) Adult jewelry should be completely made of one or more of the following materials:

- a) stainless steel or surgical steel;
- b) Cragin;
- c) Sterling silver;
- d) Platinum, palladium, iridium, ruthenium, rhodium or osmium;
- e) Natural or cultured pearls;
- f) Glass, ceramic or crystal decorative parts, including cat's eye, zircon (including cubic zirconium or CZ), artificial diamond and cloisonne;
- g) Gemstones cut and polished for decorative purposes, but excluding aragonite, beryl, pollite, celadon stone, crocodile stone, ika rock, lina rock, smectite rock, phosgene rock, samaras rock, alunite, ulfin rock;
- h) Elastomeric materials, fabrics, ribbons, ropes or strings free from intentionally added lead;
- i) All natural decorative materials, including amber, bone, coral, feather, fur, horn, leather, shell or wood, which are in a natural state and have not been treated with lead;

j) Adhesive;

k) Electroplated metal with lead content less than 0.05% (500 mg/kg);

l) Unlisted unplated metals with lead content less than 0.05% (500 mg/kg);

m) Plastics or rubber with lead content less than 0.02% (200 mg/kg), including acrylic, polystyrene, plastic beads and plastic stones, and polyvinyl chloride (PVC);

n) Dyes or surface coatings with lead content less than 0.05% (500 mg/kg);

o) Any other material containing less than 0.05% (500 mg/kg) lead

3) The additional certification requirements are the same as the current practice, and the manufacturer or supplier should prepare a certificate to prove that the lead or cadmium content in the jewelry does not exceed the specified limits. The certificate shall be provided to the person who buys or sells the jewelry, or prominently displayed on the transport container or jewelry package. From January 1, 2020, the certificate shall include the following additional details:

a) the identity of the products covered by the certificate, with a sufficiently detailed description;

b) Each individual regulation or standard that the product has passed the certification;

c) Name, complete mailing address and telephone number of the manufacturer or supplier;

d) Keep the contact information of the person who records the test results, including name, complete mailing address, e-mail address and telephone number;

e) Date of manufacture, at least month and year;

f) Place of manufacture, including at least the country, state (if applicable) and city or administrative region where the product is manufactured or finally assembled;

g) Date and place of test;

h) Third party laboratory for testing, including name, full mailing address and telephone number.

3.2.5 Minnesota H.F. No. 2310

This law prohibits anyone from selling products with lead content >90 mg/kg or cadmium content >75 mg/kg. When in conflict with federal regulations, federal regulations take priority. Products include below:

1) Jewelry;

2) Toys;

3) Cosmetics and personal care products;

4) Puzzles, board games, card games, and similar games;

5) Play sets and play structures;

6) Outdoor games;

7) School supplies;

8) Pots and pans;

9) Cups, bowls, and other food containers;

10) Craft supplies and jewelry-making supplies;

11) Chalk, crayons, paints, and other art supplies;

12) Fidget spinners;

13) Costumes, costume accessories, and children's and seasonal party supplies;

- 14) Keys, key chains, and key rings; and
- 15) Clothing, footwear, headwear, and accessories.

3.3 Other regulations

Regulations relating to chemically limited substances in other major countries and regions are as follows.

- 1) Canada's Children's Jewellery Regulations, Lead in Consumer Products Regulations, Phthalates Regulations.
- 2) Australia DEHP in Children's Plastic Products, Toys Containing Lead and Other Elements.
- 3) The German Consumer Goods Ordinance.
- 4) REACH (UK) and POPs (UK)
- 5) The Korean General Safety Standards for Children's Products.
- 6) The Control of Hazardous Substances in Household Products Act of Japan and Chemical Substance Management Law
- 7) The Saudi Technical Regulation on Textile Products.
- 8) Textile Inspection Operation Regulations, Taiwan, China.
- 9) Most of the above regulatory requirements are similar to or derived from existing regulations in Europe and the USA.

4 Restricted substances list

The SHEIN Restricted Chemical Substances List is based on relevant regulations in various countries and regions, as well as the restricted substance list provided by AFIRM Group, and is formulated according to the actual business situation of SHEIN Group, hereinafter referred to as "the list".

4.1 Main contents of the list

The SHEIN Restricted Chemical Substances List consists of the SHEIN RSL Material Risk Determination Table, the SHEIN RSL Test Items and Limit Value Requirements Table and three appendices.

The appendices include Appendix 1 Prohibited Azo, Appendix 2 Phthalates, Appendix 3 PAH Polycyclic Aromatic Hydrocarbons, Appendix 4 Volatile Organic Compounds, Appendix 5 Perfluoroalkyl and Polyfluoroalkyl Substances, Appendix 6 Dispersed Dyes, Appendix 7 Navy Blue Dyes, Appendix 8 Flame Retardants, Appendix 9 Chlorinated Benzenes and Toluenes, Appendix 10 N-Nitrosamines, Appendix 11 Pesticides, Agricultural, Appendix 12 UV Absorbers / Stabilizers which contain the specific monomer names of the prohibited substances and their corresponding chemical numbers.

4.2 Supplier control obligations

All the suppliers of SHEIN must ensure that the finished products provided to SHEIN (including finished fabrics & trims and finished products) comply with the SHEIN Restricted Chemical Substances List, and develop proactive control plans and arrange relevant testing activities based on the supplier's own business characteristics.

Finished products (including finished fabrics & trims and finished products) should refer to the SHEIN

RSL Material Risk Assessment tab to find out the proper testing items and all the suppliers should arrange corresponding testing activities according to the guidelines.

The test methods and limit values for specific items are found according to the SHEIN RSL Test Items and Requirements Table, and those within the standard range are considered to be qualified, while those outside the standard requirements are considered to be unqualified.

Any losses arising from the occurrence of an exceedance of a chemical substances limit will be borne by the supplier and these include, but are not limited to, operational costs, loss of delivery lead time, loss of sales, any direct or indirect losses resulting from the destruction of the goods and any compliance fines levied by any third party authorities (e.g. CPSC, EU member state regulatory authorities, etc.).

4.3 SHEIN regulatory principles

SHEIN requires suppliers to provide relevant test reports according to their specific business control model and SHEIN reserves the right to request additional testing of the limited substances listed in this specification on a regular or occasional basis.

SHEIN accepts the Oeko-tex 100 certificate, which is validated and has the same validity as the test report.

4.4 Lists

Lists can be found below.

Table 1 SHEIN RSL material risk determination table

	Electronic appliances	Natural fibres	Synthetic fibres	Natural and synthetic blended fibres	Artificial leather	Natural Leather	Natural materials(horn, bone, cork, wood, paper, straw and stone)	Metal	Other: porcelain, ceramic, glass, crystal, etc.	Feathers and Down	Ethylene and vinyl acetate copolymer (EVA)	Polyurethane foam (PU)	All other PU and TPU materials	Rubber (excl. latex and silicone rubber)	Polycarbonate (PC)	ABS	PVC	All other foams, plastics and polymers	Coating ^R	Glue
Acetophenone and 2-Phenyl-2-Propanol											2									
pH		1A	1A	1A	1A	1A														
AP& APEO		1B	1B	1B	1	1	2			1	2	2	2	2	2	2	2	2	1V	2
Azo		1C	1C	1C	1C	1C	1C			1C									2	
Bisphenols			2	2		2					2	2	2	2	2	2	2	2		
Chlorinated paraffins					2	1					2	2	2	2	2	2	1	2		
Chlorophenols		2	2	2		2														
Chlorinated benzene and toluene			2	2	2															
DMFu						2														
Disperse dyes are prohibited			2	2	2														2	
Navy blue dye			2	2																
Flame retardants		2D	2D	2D	2D	2D				2D										
Fluorinated Greenhouse Gases																				

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Formaldehyde	1	1	1	2	1	1E							2					1V	1
Hexavalent chromium		2F	2G		1														
Extractable heavy metals		2	2	2	2	2		2H			2	2	2	2	2	2	2	2	
Nickel release								1											
Total metal		2J		2J	1	2		1	1K		1	1	1	1	1	1	1	1	2
Monomers, styrene and vinyl chloride					1L								2M		2	1		1L	
N-Nitrosamines													2						
Organotin			2	2	1	2					1	1	1			1	1	1	1
o-Phenylphenol OPP		2	2	2	2	2												2	
Ozone-depleting Substances																			
PFAS	1Q																		
Pesticides, Agricultural																			
Phthalates					1						1	1	1	1	2	2	1	1	1
Polycyclic aromatic hydrocarbons PAH	1N				2N						1N	1N	1N	1N			1N	1N	1N
Quinoline			2	2															
DMFa					2						2	2	2					2P	2P
NMP& DMAC					2							2	2				2	2	2
Formamide											2							2	

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UV Absorbers /										2	2	2	2	2	2	2	2		
Stabilizers																			

Table 1 SHEIN RSL material risk determination table

	Electronic appliances	Natural fibres	Synthetic fibres	Natural and synthetic blended fibres	Artificial leather	Natural Leather	Natural materials(horn, bone, cork, wood, paper, straw and stone)	Metal	Other: porcelain, ceramic, glass, crystal, etc.	Feathers and Down	Ethylene and vinyl acetate copolymer (EVA)	Polyurethane foam (PU)	All other PU and TPU materials	Rubber (excl. latex and silicone rubber)	Polycarbonate (PC)	ABS	PVC	All other foams, plastics and polymers	Coating ^R	Glue
Volatile Organic Compounds VOC					2						2	2	2	2	2	2	2	2	2	1
RoHS 10 items	1																			
SVHC	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T	2T
CHCC	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U
HPCCCH	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U
Remarks	A Applicable for children's products					B Applicable for washed products					C Applicable for dyed products					D If flame retardants are suspected or if contamination is suspected				
	E Applicable for wood, paper and straw materials					F Applicable for wool materials					G If extractable chromium exceeds 1mg/kg					H Copper not subject to constraints in metal parts				
	J Applicable for vegetable fibres; not applicable for animal fibres					K Cadmium and lead only; crystal is exempt					L Applicable for PVC materials					M For benzene rubber (SBR) only				
	N Applicable for areas in contact with the skin					P Applicable for PU-based materials					Q Class 1 if treated with fluorinated water and dirt repellent treatment					R means knife scrapeable or acetone wipeable				
	T Products with EU or UK sales of 1,000 tonnes or more in the applicable year					U CHCC is applicable for children's products in Washington, Maine, and Vermont in the United States; HPCCCH is applicable for children's products in Oregon.					V Applicable for coatings on textile									
	1 High risk, needs testing					2 Medium risk, when specifically requested only					3 Not anticipated in material									

Table 2 SHIEN RSL test items and requirements

Substance	Testing methods	Limit values	Remarks
RoHS 10 items	IEC 62321	Lead ≤ 0.1 %, Mercury ≤ 0.1 %, Cadmium ≤ 0.01 %, Hexavalent Chromium ≤ 0.1 %, Polybrominated Biphenyls (PBB) ≤ 0.1 %, Polybrominated Diphenyl Ethers (PBDE) ≤ 0.1 %, Bis(2-ethylhexyl) Phthalate (DEHP) ≤ 0.1 %, Butyl Benzyl Phthalate (BBP) ≤ 0.1 %, Dibutyl Phthalate (DBP) ≤ 0.1 %, Diisobutyl Phthalate (DIBP) ≤ 0.1 %. Diisobutyl phthalate (DIBP) ≤ 0.1 %	For appliances, electrical appliances, IT and telecom equipment, lighting equipment, consumer equipment, electrical and electronic tools, toys, leisure and sports equipment, medical equipment.
pH	Textiles - EN ISO 3071; Leather: EN ISO 4045	Textiles: 4.0-7.5; Leathers: 3.5-7.5	
AP& APEO	Textiles and leather: AP: EN ISO 21084. APEO: Leather 18218-1; others: EN ISO 18254-1	Total AP: 10 mg/kg Total AP and APEO: 100 mg/kg	When test a coating on textile, test with the textile together
Azo	All materials other than leather. EN ISO 14362-1 Leather: EN ISO 17234-1 P-aminoazobenzene. All other materials except leather. EN ISO 14362-3 Leather: EN ISO 17234-2	See Appendix 1, ≤ 20 mg/kg each	
Bisphenols	All materials: Extraction: 1 g sample/20 ml THF, sonication for 60 minutes at 60 degrees C, analysis with LC/MS	BPA(Applicable to items intended to come in contact with the mouth): ≤ 1 mg/kg; BPS,BPB,BPF.BPAF: No requirements.	
SCCP & MCCP	Leather: ISO 18219-1 (SCCP) ISO 18219-2 (MCCP) Textiles:	≤ 1000 mg/kg each	

	ISO 22818 (SCCP + MCCP)		
Formaldehyde	Except leather: EN ISO 14184-1; Leather: EN ISO 17226-2	Towels, bedding, and handkerchiefs: ≤ 16 mg/kg Children ≤ 20 mg/kg, others ≤ 75 mg/kg	When test a coating on textile, test with the textile together. Infants: ≤ 3 years
Chromium VI After Aging	Leather: EN ISO 17075-2 (Aging ISO 10195 Method A2) Textile: DIN EN 16711-2	Extractable. Leather: ≤ 3 mg/kg Textiles: ≤ 1 mg/kg	For leathers

Table 2 SHIEN RSL test items and requirements

Substance	Testing methods	Limit values	Remarks
Nickel Release	Eyeglasses: EN 16128; Others: EN 12472 and EN 1811	Prolonged contact with the skin $\leq 0.5 \mu\text{g}/\text{cm}^2/\text{week}$ Inserted into pierced ears and other pierced parts of the human body $\leq 0.2 \mu\text{g}/\text{cm}^2/\text{week}$	For metals only
Heavy Metals, Total	Coating: CPSC-CH-E1003-09.1; Metal: CPSC-CH-E1001-08.3. Non-metallic: CPSC-CH-E1002-08.3	Lead: $\leq 90 \text{ mg/kg}$; Cadmium: Children $\leq 40 \text{ mg/kg}$, adults $\leq 75 \text{ mg/kg}$	children ≤ 12 years; adults: > 12 years
Styrene	Extraction in Methanol GC/MS, sonication at 60 degrees C for 60 minutes	500 mg/kg	
Heavy Metals, Extractable	EN16711-2	Lead: $\leq 0.2 \text{ mg/kg}$ for infants and children, $\leq 1 \text{ mg/kg}$ for adults; Cadmium: $\leq 0.1 \text{ mg/kg}$. Antimony: $\leq 30 \text{ mg/kg}$. Arsenic: $\leq 0.2 \text{ mg/kg}$. Barium: $\leq 1000 \text{ mg/kg}$. Chromium: textiles: infants $\leq 1 \text{ mg/kg}$, children and adults: $\leq 2 \text{ mg/kg}$. Hexavalent chromium: leather: $\leq 3 \text{ mg/kg}$, textiles: $\leq 1 \text{ mg/kg}$. Cobalt: adults: $\leq 4 \text{ mg/kg}$, children and infants: $\leq 1 \text{ mg/kg}$. Copper: adults: $\leq 50 \text{ mg/kg}$, children and infants: $\leq 25 \text{ mg/kg}$. Mercury: $\leq 0.02 \text{ mg/kg}$. Nickel: $\leq 1 \text{ mg/kg}$. Selenium: $\leq 500 \text{ mg/kg}$.	Infants: ≤ 3 years; children: 3 years $<$ children ≤ 14 years; adults: > 14 years
Vinyl Chloride	EN ISO 6401	Vinyl chloride $\leq 1 \text{ mg/kg}$	For PVCs
Organotin Compounds	CEN ISO/TS 16179	DBT/ DOT/ MBT/ TCyHT/ TMT/ TOT/TPT: $\leq 1 \text{ mg/kg}$ each; TBT/ TPhT: $\leq 0.5 \text{ mg/kg}$ each	

Phthalates	CPSC-CH-C1001-09.4	See Appendix 2, ≤500 mg/kg for each under 3 years of age, and ≤1000 mg/kg in total; ≤1000 mg/kg in total for others	
PAHs	AFPS GS 2019	See Appendix 3, for substances 1-8, ≤ 1mg/kg each, childcare products ≤ 0.5mg/kg each; For substances 1-18: total ≤ 10mg/kg	Childcare articles means articles designed or intended for use by children aged 3 years and under to promote sleep or feeding or to assist in sucking or teething, including children's pyjamas, bibs, etc.
Table 2 SHIEN RSL test items and requirements			
Substance	Testing methods	Limit values	Remarks
VOC	120°C, 45 minutes headspace method	See Appendix 4, benzene ≤5 mg/kg, others total: ≤1000 mg/kg	
PFAS	EN14582 EN ISO 23702-1 or EN 17681-1&2	Total fluorine content: ND. See Appendix 5, PFHxS and its salts: ≤ 0.025 mg/kg, PFHxS-related substances: ≤ 1 mg/kg; PFOS-related substances ≤1 µg/m ² , PFOA and its salts ≤25 µg/kg, PFOA related substances ≤1000 µg/kg, C9-C14 PFCAs and their salts ≤25 µg/kg, C9-C14 PFCA-related substances ≤260 µg/kg	For C9-C14 PFCAs and their salts, C9-C14 PFCA-related substances, Test only by request.
PCP & TeCP& TriCP	DIN 50009	≤ 0.5 mg/kg each	
Chlorinated Benzenes and Toluenes	EN 17137	See Appendix 9, 1,2-Dichlorobenzene: ≤ 10 mg/kg Others: total ≤ 1 mg/kg	
DMFu	ISO 16186	≤0.1 mg/kg	
Disperse Dyes	DIN 54231	See Appendix 6, ≤50 mg/kg each	
Blue Dyes	DIN 54231	See Appendix 7, ≤50 mg/kg each	
Flame Retardants	EN ISO 17881-1, ISO 17881-2	See Appendix 8, ≤10 mg/kg each	
N-nitrosamines	EN ISO 19577	See Appendix 10, ≤ 0.5 mg/kg each	

OPP	§ 64 LFGB B 82.02-08	≤1000 mg/kg	
Ozone-depleting substances	All materials: GC/MS headspace 120 degrees C for 45 minutes	≤5 mg/kg each	
Quinoline	DIN 54231	≤50 mg/kg	
DMFa	Textiles: EN 17131:2019 All other materials. DIN CEN ISO/TS 16189:2013	≤1000 mg/kg	
NMP		≤1000 mg/kg	
DMAC		≤1000 mg/kg	
Formamide		Yoga mats: ≤ 200 mg/kg; Others: ≤ 1000 mg/kg	
UVAbsorbers/ Stabilizers	ISO 24040 with extraction in THF, analysis by GC/MS	See Appendix 12, Drometrizole: no requirements Others: ≤1000 mg/kg each	
Pesticides	All materials: ISO 15913/DIN 38407 F2 or EPA 8081/EPA 8151A or BVL L 00.00-34:2010-09	See Appendix 11, ≤0.5 ppm each	

Table 2 SHIEN RSL test items and requirements

Substance	Testing methods	Limit values	Remarks
Fluorinated Greenhouse gases	Sample preparation: Purge and trap — thermal desorption or SPME Measurement: GC/MS	≤0.1 ppm each	
SVHC	Internal methods of each laboratory	Individual items ≤ 1000 mg/kg	Live link to the inventory: https://www.echa.europa.eu/candidate-list-table
CHCC	Internal methods of each laboratory	Individual items ≤ 100 mg/kg	Live link to the list: https://ecology.wa.gov/Regulations-Permits/Reporting-

			requirements/Reporting-for-Childrens-Safe-Products-Act/Chemicals-of-high-concern-to-children https://www.healthvermont.gov/environment/children/chemicals-childrens-products https://www1.maine.gov/dep/safechem/childrens-products/priority/index.html
HPCCCH	Internal methods of each laboratory	Individual items $\leq$ 100 mg/kg	https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENT/HEALTHYNEIGHBORHOODS/TOXICSUBSTANCES/Pages/childrens-chemicals-of-concern.aspx

Appendix 1 Azo		
No.	CAS#	Substance name
1	92-67-1	4-Aminobiphenyl
2	92-87-5	Benzidine
3	95-69-2	4-Chloro-o-toluidine
4	91-59-8	2-Naphthylamine
5	97-56-3	o-Aminoazotoluene
6	99-55-8	2-Amino-4-nitrotoluene
7	106-47-8	p-Chloraniline
8	615-05-4	2,4-Diaminoanisole
9	101-77-9	4,4'-Diaminodiphenylmethane
10	91-94-1	3,3'-Dichlorobenzidine
11	119-90-4	3,3'-Dimethoxybenzidine
12	119-93-7	3,3'-Dimethylbenzidine
13	838-88-0	3,3'-dimethyl-4,4'-diaminodiphenylmethane
14	120-71-8	p-Cresidine
15	101-14-4	4,4'-Methylene-bis(2-chloraniline)
16	101-80-4	4,4'-Oxydianiline
17	139-65-1	4,4'-Thiodianiline
18	95-53-4	o-Toluidine
19	95-80-7	2,4-Toluenediamine
20	137-17-7	2,4,5-Trimethylaniline
21	95-68-1	2,4 Xylidine
22	87-62-7	2,6 Xylidine
23	90-04-0	2-Methoxyaniline (= o-Anisidine)
24	60-09-3	p-Aminoazobenzene
25	3165-93-3	4-Chloro-o-toluidinium chloride
26	553-00-4	2-Naphthylammoniumacetate
27	39156-41-7	4-Methoxy-m-phenylene diammonium sulphate
28	21436-97-5	2,4,5-Trimethylaniline hydrochloride

Appendix 2 Phthalates

No.	CAS#	Substance name
1	28553-12-0	Di-Iso-nonylphthalate (DINP)
2	117-84-0	Di-n-octylphthalate (DNOP)
3	117-81-7	Di(2-ethylhexyl)-phthalate (DEHP)
4	26761-40-0	Diisodecylphthalate (DIDP)
5	85-68-7	Butylbenzylphthalate (BBP)
6	84-74-2	Dibutylphthalate (DBP)
7	84-69-5	Diisobutylphthalate (DIBP)
8	84-75-3	Di-n-hexylphthalate (DnHP) (DHEXP)
9	131-18-0	Di-n-pentyl phthalate (DPENP)
10	84-61-7	Dicyclohexyl phthalate (DCHP)
11	131-18-0	Di-n-pentyl phthalate (DPENP)
12	84-61-7	Dicyclohexyl phthalate (DCHP)
13	71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
14	117-82-8	Bis(2-methoxyethyl) phthalate
15	605-50-5	Diisopentyl phthalate (DIPP)
16	131-16-8	Dipropyl phthalate (DPRP)
17	27554-26-3	Diisooctyl phthalate (DIOP)
18	68515-50-4	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
19	71850-09-4	Diisohexyl phthalate (DIHxP)
20	68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)
21	84777-06-0	1,2-Benzenedicarboxylic acid Dipentyl ester, branched and linear
22	68648-93-1 68515-51-5	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters
23	776297-69-9	n-Pentyl-isopentylphthalate (nPIPP)
24	26040-51-7	Bis(2-ethylhexyl) tetrabromophthalate

Appendix 3 PAH polycyclic aromatic hydrocarbons

No.	CAS#	Substance name
1	56-55-3	Benzo(a)anthracene
2	50-32-8	Benzo(a)pyrene
3	205-99-2	Benzo(b)fluoranthene
4	192-97-2	Benzo[e]pyrene
5	205-82-3	Benzo[j]fluoranthene
6	207-08-9	Benzo(k)fluoranthene
7	218-01-9	Chrysene
8	53-70-3	Dibenzo(a,h)anthracene
9	83-32-9	Acenaphtene
10	208-96-8	Acenaphthylene
11	120-12-7	Anthracene
12	191-24-2	Benzo(g,h,i)perylene
13	86-73-7	Fluorene
14	206-44-0	Fluoranthene
15	193-39-5	Indeno(1,2,3-cd)pyrene
16	91-20-3	Naphthalene
17	85-01-8	Phenanthrene
18	129-00-0	Pyrene

Appendix 4 Volatile organic compounds

No.	CAS#	Substance name
1	71-43-2	Benzene
2	75-15-0	Carbon Disulfide
3	56-23-5	Carbon Tetrachloride
4	67-66-3	Chloroform
5	108-94-1	Cyclohexanone
6	107-06-2	1,2-Dichloroethane
7	75-35-4	1,1-Dichloroethylene
8	100-41-4	Ethylbenzene
9	76-01-7	Pentachloroethane
10	630-20-6	1,1,1,2- Tetrachloroethane
11	79-34-5	1,1,2,2- Tetrachloroethane
12	127-18-4	Tetrachloroethylene (PERC)
13	108-88-3	Toluene
14	71-55-6	1,1,1- Trichloroethane
15	79-00-5	1,1,2- Trichloroethane
16	79-01-6	Trichloroethylene
17	1330-20-7	Xylenes (meta-, ortho-, para-)
18	108-38-3	
19	95-47-6	
20	106-42-3	

Appendix 5 Perfluoroalkyl and polyfluoroalkyl substances

No.	CAS#	Substance name
PFOS		
1	1763-23-1	Perfluorooctanesulfonic acid (PFOS)
2	2795-39-3	Perfluorooctanesulfonic acid, potassium salt (PFOS-K)
3	29457-72-5	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)
4	29081-56-9	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)
5	70225-14-8	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)
6	56773-42-3	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)
7	4151-50-2	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)
8	31506-32-8	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)
9	1691-99-2	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)
10	24448-09-7	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)
11	307-35-7	Perfluoro-1-octanesulfonyl fluoride (POSF)
12	754-91-6	Perfluorooctane sulfonamide (PFOSA)
PFOA and its salts		
13	335-67-1	Perfluorooctanoic acid (PFOA)
14	335-95-5	Sodium perfluorooctanoate (PFOA-Na)
15	2395-00-8	Potassium perfluorooctanoate (PFOA-K)
16	335-93-3	Silver perfluorooctanoate (PFOA-Ag)
17	335-66-0	Perfluorooctanoyl fluoride (PFOA-F)
18	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)
PFOA-related substances		
19	39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)
20	376-27-2	Methyl perfluorooctanoate (Me-PFOA)
21	3108-24-5	Ethyl perfluorooctanoate (Et-PFOA)
22	678-39-7	2-Perfluorooctylethanol (8:2 FTOH)
23	27905-45-9	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)
24	1996-88-9	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)
C9-C14 PFCAs and their salts		
25	375-95-1	C9-PFCA: Perfluorononane Acid (PFNA)
26	335-76-2	C10-PFCA: Perfluorodecane Acid (PFDA)
27	2058-94-8	C11-PFCA: Perfluoroundecanoic Acid (PFUnA)
28	307-55-1 3793-74-6	C12-PFCA: Perfluorododecanoic Acid (PFDoA)
29	72629-94-8	C13-PFCA: Perfluorotridecanoic Acid (PFTrA)
30	376-06-7	C14-PFCA: Perfluorotetradecanoic Acid (PFTeA)
31	21049-39-8	Perfluorononan-1-oic acid, sodium salt
32	4149-60-4	Perfluorononan-1-oic acid, ammonium salt
33	3830-45-3	Sodium nonadecafluorodecanoate
34	865-86-1	1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,11,11,12,12,12- heneicosafuoro- (TSCA, DSL, AICS)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
35	2144-54-9	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester (TSCA, DSL, ENCS, AICS)
36	17741-60-5	2- Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuorododecylester
37	1895-26-7	bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl] hydrogen phosphate
38	68333-92-6	Fatty acids, C7-13, perfluoro (TSCA, NDSL, EINECS)
39	91032-01-8	Fatty acids, C7-19, perfluoro (EINECS)
40	15811-52-6	Dodecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)- (TSCA)
41	16486-96-7	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)- (TSCA)
42	18024-09-4	Tetradecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromethyl)- (TSCA)
43	68015-87-2	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-, compd. With ethanamine (1:1) (TSCA, NDSL)
44	68025-62-7	Tetradecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromethyl)- (TSCA, NDSL)
45	3108-42-7	ammonium nonadecafluorodecanoate (EINECS)
46	3658-63-7	Decanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-octadecafluoro-9-(trifluoromethyl)-, ammonium salt (TSCA, NDSL)
47	3793-74-6	ammonium tricosafuorododecanoate (EINECS)
48	72968-38-8	Fatty acids, C7-13, perfluoro, ammonium salts (TSCA)
49	307-71-1	Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafuoro-, potassium salt (TSCA, NDSL)
50	307-50-6	Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafuoro-11-iodo- (ENCS)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
51	307-60-8	Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12- pentacosafuoro-12-iodo- (TSCA, NDSL, ENCS)
52	307-63-1	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12,13,13,14,14-nonacosafuoro-14-iodo- (TSCA, NDSL, ENCS)
53	335-79-5	Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12,13,13, 14,14,15,15-hentriacontafuoro-15-iodo- (ENCS)
54	376-04-5	Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12,13,13- heptacosafuoro-13-iodo- (ENCS)
55	423-62-1	Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10- heneicosafuoro-10-iodo- (TSCA, NDSL, ENCS)
56	558-97-4	Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- nonadecafuoro-9-iodo- (TSCA, NDSL, ENCS)
57	677-93-0	Decane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10- eicosafuoro-10-iodo-2- (trifluoromethyl)- (TSCA, NDSL)
58	3248-61-1	Dodecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11 ,12,12-tetracosafuoro-12-iodo-2- (trifluoromethyl)- (TSCA, NDSL)
59	3248-63-3	Tetradecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11 ,12,12,13,13,14,14-octacosafuoro-14-iodo-2- (trifluoromethyl)- (TSCA, NDSL)
60	90622-71-2	Alkyl iodides, C6-18, perfluoro (EINECS) iodures d'alkyles en C6-18, perfluoro (French) (EINECS)
61	68412-68-0	Phosphonic acid, perfluoro-C6-12-alkyl derivs. (TSCA, DSL, EINECS)
62	68412-69-1	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs. (TSCA, DSL, EINECS)
63	93062-53-4	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., 200etrieved salts (EINECS)
64	1765-48-6	Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11- eicosafuoro- (TSCA, NDSL, ENCS)
65	865-86-1	1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 12-heneicosafuoro- (TSCA, DSL, AICS)
66	60699-51-6	1-Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,14,14, 15,15,16,16,16-nonacosafuoro- (TSCA, DSL)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
67	39239-77-5	1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,14,14,14-pentacosafuoro- (TSCA, DSL, AICS)
68	4980-53-4	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13, 14,14,15,15,16,16,16-nonacosafuorohexadecyl ester (TSCA, DSL, ENCS)
69	6014-75-1	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13, 14,14,14-pentacosafuorotetradecyl ester (TSCA, DSL, ENCS)
70	16083-87-7	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,1 3,14,15,15,15-tetracosafuoro-2- 200etrieve-14-(trifluoromethyl)pentadecyl acrylate (EINECS)
71	52956-82-8	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10- heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2- propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,1 1,11,12,12,13,13,14,14,14- pentacosafuorotetradecyl 2-methyl-2- propenoate and 3,3,4,4,5,5,6,6, 7,7,8,8,8- tridecafluorooctyl 2-methyl-2-propenoate (TSCA, NDSL)
72	74256-14-7	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12- icosafuoro-11-(trifluoromethyl) dodecyl methacrylate (EINECS)
73	74256-15-8	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,14,14,14-tetracosafuoro-13- (trifluoromethyl)tetradecyl methacrylate (EINECS)
74	16083-87-7	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,1 3,14,15,15,15-tetracosafuoro-2- 201etrieve-14-(trifluoromethyl)pentadecyl acrylate (EINECS)
75	1895-26-7	-
76	63295-27-2	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,1 3-icosafuoro-2-hydroxy-12- (trifluoromethyl)tridecyl dihydrogen phosphate (EINECS)
77	63295-28-3	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,1 3,14,15,15,15-tetracosafuoro-2- 201etrieve-14-(trifluoromethyl)pentadecyl dihydrogen phosphate (EINECS)
78	94158-70-0	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,1 3,13-henicosafuoro-2- hydroxytridecyl dihydrogen phosphate (EINECS)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
79	94200-42-7	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl dihydrogen phosphate (EINECS)
80	94200-43-8	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-2-hydroxyheptadecyl dihydrogen phosphate (EINECS)
81	94200-46-1	diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuoro-2-hydroxytridecyl phosphate (EINECS)
82	94200-47-2	diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl phosphate (EINECS)
83	94200-48-3	diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-2-hydroxyheptadecyl phosphate (EINECS)
84	94200-50-7	diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-2-202etrieve-12-(trifluoromethyl)tridecyl phosphate (EINECS)
85	94200-51-8	diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate (EINECS)
86	93776-00-2	1,1'-[oxybis[(1-methylethylene)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoropentadecan-2-ol] (EINECS)
87	2043-54-1	Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henicosafuoro-12-iodo- (TSCA, NDSL)
88	30046-31-2	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-14-iodo- (TSCA, NDSL)
89	65510-55-6	Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-16-iodo- (TSCA, NDSL)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
90	65510-56-7	Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- nonadecafluoro-11-iodo- (TSCA, NDSL)
91	68188-12-5	Alkyl iodides, C4-20, γ-ω-perfluoro (TSCA, NDSL, EINECS)
92	68390-33-0	Alkyl iodides, C10-12, γ-ω-perfluoro (TSCA, NDSL)
93	93776-16-0	bis(2- hydroxyethyl)methyl(4,4,5,5,6,6,7,7,8,8,9,9,10 ,10,11,11,12,12,13,13, 14,14,15,15,15-pentacosafuoro-2- hydroxypentadecyl)ammonium iodide (EINECS)
94	93776-17-1	[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13, 13,13-henicosafuoro-2- hydroxytridecan-1-yl][bis(2- hydroxyethyl)]methylammonium iodide (EINECS)
95	94159-76-9	bis(2- hydroxyethyl)methyl[4,4,5,5,6,6,7,7,8,8,9,9,10 ,10,11,11,12,12,13,13,14, 15,15,15-tetracosafuoro-2-hydroxy-14- (trifluoromethyl)pentadecyl] ammonium iodide (EINECS)
96	94159-79-2	1-[[3-(dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,14,14,15,15,15- pentacosafuoropentadecan-2-ol (EINECS)
97	94159-80-5	1-[[3-(dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,13-henicosafuorotridecan-2-ol (EINECS)
98	94159-82-7	1-[[3-(dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,14,15,15,15-tetracosafuoro-14- (trifluoromethyl)pentadecan-2-ol (EINECS)
99	94159-83-8	1-[[3-(dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11, 12,13,13,13-icosafuoro-12- (trifluoromethyl)tridecan-1-ol (EINECS)
100	93776-12-6	(2-carboxylatoethyl)(dimethyl)[3- [(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13, 14,14,15,15,15-pentacosafuoro-2- hydroxypentadecyl)amino]propyl] ammonium (English, French) (EINECS)
101	93776-13-7	(2-carboxylatoethyl)[3- [(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13, 13,13- henicosafuoro-2- hydroxytridecyl)amino]propyl]dimethylammoni um (English, French) (EINECS)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
102	93776-15-9	(2-carboxylatoethyl)(dimethyl)[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl] amino] propyl]mmonium (EINECS)
103	94159-79-2	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoropentadecan-2-ol (EINECS)
104	94159-80-5	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuorotridecan-2-ol (EINECS)
105	94159-82-7	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)pentadecan-2-ol (EINECS)
106	94159-83-8	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-12-(trifluoromethyl)tridecan-1-ol (EINECS)
107	85631-54-5	2-Propenoic acid, γ-ω-perfluoro-C8-14-alkyl esters (DSL, EINECS, AICS)
108	115592-83-1	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12- heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate (DSL, AICS)
109	129783-45-5	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ-ω perfluoro-C8-14-alkyl acrylate (DSL)
110	144031-01-6	2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ-ω-perfluoro-C8-14-alkyl acrylate (DSL)
111	90622-99-4	Amides, C7-19, α-ω-perfluoro-N,N bis(hydroxyethyl) (EINECS)
112	71356-38-2	1-(carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)piperazinium (English, French) (EINECS)

Appendix 5 (Continued) Perfluoroalkyl and polyfluoroalkyl substances		
No.	CAS#	Substance name
C9-C14 PFCA-related substances		
113	85681-64-7	2-Propenoic acid, perfluoro-C8-16-alkyl esters (EINECS) acide propene-2 oïque, esters de perfluoro alkyles en C8-16 (French) (EINECS) 2-Propensaure, Perfluor-C8-16-alkylester (German) (EINECS) acido 2-propenoico, perfluoro-C8-16-alquil 205etrie (Spanish) (EINECS)
114	125328-29-2	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and perfluoro C8-14-alkyl acrylate (DSL)
115	68155-54-4	2H-Pyran, 2,2,3,3,4,4,5,5,6-nonafluorotetrahydro-6-(nonadecafluorononyl)- (TSCA, NDSL) Perfluoro[6-nonyl(tetrahydro-2H-pyrane)] (French) (NDSL)
PFHxS and its salts		
116	355-46-4	PFHxS
117	3871-99-6	PFHxS-K
118	55120-77-9	PFHxS-Li
119	68259-08-5	PFHxS-NH4
120	82382-12-5	PFHxS-Na
PFHxS-related substance		
121	68259-15-4	N-Me-PHxSA
122	41997-13-1	PFHxSA

Appendix 6 Disperse dyes

No.	CAS#	Substance name
1	2475-45-8	C.I. Disperse Blue 1
2	2475-46-9	C.I. Disperse Blue 3
3	3179-90-6	C.I. Disperse Blue 7
4	3860-63-7	C.I. Disperse Blue 26
5	56524-77-7	C.I. Disperse Blue 35A
6	56524-76-6	C.I. Disperse Blue 35B
7	12222-97-8	C.I. Disperse Blue 102
8	12223-01-7	C.I. Disperse Blue 106
9	61951-51-7	C.I. Disperse Blue 124
10	23355-64-8	C.I. Disperse Brown 1
11	2581-69-3	C.I. Disperse Orange 1
12	730-40-5	C.I. Disperse Orange 3
13	82-28-0	C.I. Disperse Orange 11
14	12223-33-5	C.I. Disperse Orange 37/76/59
15	13301-61-6	
16	51811-42-8	
17	85136-74-9	C.I. Disperse Orange 149
18	2872-52-8	C.I. Disperse Red 1
19	2872-48-2	C.I. Disperse Red 11
20	3179-89-3	C.I. Disperse Red 17
21	61968-47-6	C.I. Disperse Red 151
22	119-15-3	C.I. Disperse Yellow 1
23	2832-40-8	C.I. Disperse Yellow 3
24	6300-37-4	C.I. Disperse Yellow 7
25	6373-73-5	C.I. Disperse Yellow 9
26	6250-23-3	C.I. Disperse Yellow 23
27	12236-29-2	C.I. Disperse Yellow 39
28	54824-37-2 6858-49-7	C.I. Disperse Yellow 49
29	54077-16-6	C.I. Disperse Yellow 56
30	3761-53-3	C.I. Acid Red 26
31	569-61-9	C.I. Basic Red 9
32	569-64-2	C.I. Basic Green 4
33	2437-29-8	
34	10309-95-2	
35	548-62-9	C.I. Basic Violet 3
36	632-99-5	C.I. Basic Violet 14
37	2580-56-5	C.I. Basic Blue 26
38	1937-37-7	C.I. Direct Black 38
39	2602-46-2	C.I. Direct Blue 6
40	573-58-0	C.I. Direct Red 28
41	16071-86-6	C.I. Direct Brown 95
42	60-11-7	4-Dimethylaminoazobenzene (Solvent Yellow 2)
43	6786-83-0	C.I. Solvent Blue 4
44	561-41-1	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol

Appendix 7 Navy blue dyes

No.	CAS#	Substance name
1	118685-33-9	Component 1: C ₃₉ H ₂₃ ClCrN ₇ O ₁₂ S ₂ Na
2	Not allocated	Component 2: C ₄₆ H ₃₀ CrN ₁₀ O ₂₀ S ₂ Na

Appendix 8 Flame retardants

No.	CAS#	Substance name
1	84852-53-9	Decabromodiphenyl ethane (DBDPE)
2	32534-81-9	Pentabromodiphenyl ether (PentaBDE)
3	32536-52-0	Octabromodiphenyl ether (OctaBDE)
4	1163-19-5	Decabromodiphenyl ether (DecaBDE)
5	Various	All other Polybrominated diphenyl ethers (PBDEs)
6	79-94-7	Tetrabromobisphenol A (TBBP A)
7	59536-65-1	Polybromobiphenyls (PBB)
8	3194-55-6	Hexabromocyclododecane (HBCDD)
9	3296-90-0	2,2-bis(bromomethyl)-1,3-propanediol (BBMP)
10	13674-87-8	Tris(1,3-dichloro-isopropyl) phosphate (TDCPP)
11	25155-23-1	Trixylyl phosphate (TXP)
12	126-72-7	Tris(2,3-dibromopropyl) phosphate (TRIS)
13	545-55-1	Tris(1-aziridinyl)phosphine oxide (TEPA)
14	115-96-8	Tris(2-chloroethyl)phosphate (TCEP)
15	5412-25-9	Bis(2,3-dibromopropyl) phosphate (BDBPP)

Appendix 9 Chlorinated Benzenes and Toluenes

No.	CAS#	Substance name
1	95-49-8	2-Chlorotoluene
2	108-41-8	3-Chlorotoluene
3	106-43-4	4-Chlorotoluene
4	32768-54-0	2,3-Dichlorotoluene
5	95-73-8	2,4-Dichlorotoluene
6	19398-61-9	2,5-Dichlorotoluene
7	118-69-4	2,6-Dichlorotoluene
8	95-75-0	3,4-Dichlorotoluene
9	2077-46-5	2,3,6-Trichlorotoluene
10	6639-30-1	2,4,5-Trichlorotoluene
11	76057-12-0	2,3,4,5-Tetrachlorotoluene
12	875-40-1	2,3,4,6-Tetrachlorotoluene
13	1006-31-1	2,3,5,6-Tetrachlorotoluene
14	877-11-2	Pentachlorotoluene
15	541-73-1	1,3-Dichlorobenzene
16	106-46-7	1,4-Dichlorobenzene
17	87-61-6	1,2,3-Trichlorobenzene
18	120-82-1	1,2,4-Trichlorobenzene
19	108-70-3	1,3,5-Trichlorobenzene
20	634-66-2	1,2,3,4-Tetrachlorobenzene
21	634-90-2	1,2,3,5-Tetrachlorobenzene
22	95-94-3	1,2,4,5-Tetrachlorobenzene
23	608-93-5	Pentachlorobenzene
24	118-74-1	Hexachlorobenzene
25	5216-25-1	p-Chlorobenzotrichloride
26	98-07-7	Benzotrichloride
27	100-44-7	Benzyl Chloride
28	95-50-1	1,2-Dichlorobenzene

Appendix 10 N-nitrosamines

No.	CAS#	Substance name
1	62-75-9	N-nitrosodimethylamine (NDMA)
2	55-18-5	N-nitrosodiethylamine (NDEA)
3	621-64-7	N-nitrosodipropylamine (NDPA)
4	924-16-3	N-nitrosodibutylamine (NDBA)
5	100-75-4	N-nitrosopiperidine (NPIP)
6	930-55-2	N-nitrosopyrrolidine (NPYR)
7	59-89-2	N-nitrosomorpholine (NMOR)
8	614-00-6	N-nitroso N-methyl N-phenylamine (NMPhA)
9	612-64-6	N-nitroso N-ethyl N-phenylamine (NEPhA)

Appendix 11 Pesticides

No.	CAS#	Substance name
1	93-72-1	2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds; 2,4,5-TP
2	93-76-5	2,4,5-T
3	94-75-7	2,4-D
4	309-00-2	Aldrine
5	86-50-0	Azinophosmethyl
6	2642-71-9	Azinophosethyl
7	4824-78-6	Bromophos-ethyl
8	2425-06-1	Captafol
9	63-25-2	Carbaryl
10	510-15-6	Chlorbenzilat
11	57-74-9	Chlordane
12	6164-98-3	Chlordimeform
13	470-90-6	Chlorfenvinphos
14	1897-45-6	Chlorthalonil
15	56-72-4	Coumaphos
16	68359-37-5	Cyfluthrin
17	91465-08-6	Cyhalothrin
18	52315-07-8	Cypermethrin
19	78-48-8	S,S,S-Tributyl phosphorotrithioate (Tribufos)
20	52918-63-5	Deltamethrin
21	53-19-0	DDD
	72-54-8	
22	3424-82-6	DDE
	72-55-9	
23	50-29-3	DDT
	789-02-6	
24	333-41-5	Diazinone
25	1085-98-9	Dichlofluanide
26	120-36-5	Dichloroprop
27	115-32-2	Dicofol
28	141-66-2	Dicrotophos
29	60-57-1	Dieldrine
30	60-51-5	Dimethoate
31	88-85-7	Dinoseb, its salts and acetate
32	63405-99-2	DTTB (4, 6-Dichloro-7 (2,4,5-trichlorophenoxy) -2-Trifluoro methyl benz imidazole)
33	115-29-7	Endosulfan
34	959-98-8	Endosulfan I (alpha)
35	33213-65-9	Endosulfan II (beta)
36	72-20-8	Endrine
37	66230-04-4	Esfenvalerate
38	106-93-4	Ethylendibromid
39	56-38-2	Ethylparathione; Parathion
40	51630-58-1	Fenvalerate
41	各种	Halogenated naphthalenes, including polychlorinated naphthalenes (PCNs)
42	76-44-8	Heptachlor
43	1024-57-3	Heptachloroepoxide
44	319-84-6	a-Hexachlorocyclohexane with & without Lindane

Appendix 11 (Continued) Pesticides		
45	319-85-7	b-Hexachlorocyclohexane with & without Lindane
46	319-86-8	g-Hexachlorocyclohexane with & without Lindane
47	118-74-1	Hexachlorobenzene
48	465-73-6	Isodrine
49	4234-79-1	Kelevane
50	143-50-0	Kepone
51	58-89-9	Lindane
52	121-75-5	Malathione
53	94-74-6	MCPA
54	94-81-5	MCPB
55	93-65-2	Mecoprop
56	10265-92-6	Metamidophos
57	72-43-5	Methoxychlor
58	2385-85-5	Mirex
59	6923-22-4	Monocrotophos
60	298-00-0	Parathion-methy
61	1825-21-4	Pentachloroanisole
62	7786-34-7	Phosdrin/Mevinphos
63	72-56-0	Perthane
64	31218-83-4	Propethamphos
65	41198-08-7	Profenophos
66	13593-03-8	Quinalphos
67	82-68-8	Quintozone
68	8001-50-1	Strobane
69	297-78-9	Telodrine
70	8001-35-2	Toxaphene
71	731-27-1	Tolylfluanide
72	1582-09-8	Trifluraline
73	36355-01-8	Hexabromobiphenyl

Appendix 12 UV Absorbers/ Stabilizers

No.	CAS#	Substance name
1	3846-71-7	UV 320
2	3864-99-1	UV 327
3	25973-55-1	UV 328
4	36437-37-3	UV 350
5	2440-22-4	Drometrizole

Appendix 13 Chlorophenols

No.	CAS#	Substance name
1	15950-66-0	2,3,4-Trichlorophenol (TriCP)
2	933-78-8	2,3,5-Trichlorophenol (TriCP)
3	933-75-5	2,3,6-Trichlorophenol (TriCP)
4	95-95-4	2,4,5-Trichlorophenol (TriCP)
5	88-06-2	2,4,6-Trichlorophenol (TriCP)
6	609-19-8	3,4,5-Trichlorophenol (TriCP)
7	4901-51-3	2,3,4,5-Tetrachlorophenol (TeCP)
8	58-90-2	2,3,4,6-Tetrachlorophenol (TeCP)
9	935-95-5	2,3,5,6-Tetrachlorophenol (TeCP)
10	87-86-5	Pentachlorophenol (PCP) and its salts and esters

5 Accredited laboratories

SHEIN is working to strengthen its cooperation with international and national third-party laboratories, and SHEIN accepts reports issued by third-party laboratories accredited by the relevant international bodies.

The names and contact details of the third party laboratories that SHEIN works closely with are as follows (Ranking is not in any particular order).

Laboratory Name	Laboratory Address	Laboratory Contacts	Contact Number
ITS	Room 801/901, No. 8, Bao Ying East Road, Huangpu District, Guangzhou (510730)	Kiki Zhang	13926266824
BV	Block B, Merrill Plaza, No. 183, Dongchong Section, Shi Nan Road, Nansha District, Guangzhou City, Guangdong Province, China	Yuan Qi	18022362100
TÜV SÜD	5F, Communication Building, No. 163, Xipingyun Road, Huangpu Avenue, Guangzhou, China	Joey Tang	13570000570
SGS	3/F, No. 198 Kezhu Road, Science City, Economic and Technological Development Zone, Tianhe District, Guangzhou	Ada Zheng	15818124759

6 Special notes

The SHEIN Quality Compliance related departments maintain and update this standard on a regular basis in accordance with regulatory updates in various countries or regions around the world, the Group's requirements and the current state of the business, in order to reduce the Group's operational risks and ensure the relative safety and compliance of SHEIN Group products.

This standard provides guidance on risk management only to the maximum extent possible given the known standards and risks. There may be problems with exceeding limits for substances other than those in this standard, including but not limited to the following situations: private institutions in Europe and the United States often conduct studies on chemical substances that may not be considered in current regulations, or substances that are required by current regulations but are not controlled as high risk based on known experience, and where there is a possibility of exceeding limits for such uncontrolled substances. In the event that such a situation arises and poses a serious business risk or potential business risk to the Group, the Group's top quality officer and the relevant department will determine how to deal with it, depending on the specific quality issue and the degree of impact.

The right to interpret this standard rests with SHEIN's Quality Department.

7 Global reference legislation website

The following appendix contains the main legal and regulatory websites referenced in this specification.

Appendix 14 Links to global reference legislation sites

Regulations	Website
REACH	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32006R1907&qid=1634188336573&from=EN
POPs	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R1021&qid=1634188372894&from=EN
RoHS	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32011L0065&qid=1634194761741&from=EN
CPSIA	https://www.govinfo.gov/content/pkg/PLAW-110publ314/html/PLAW-110publ314.htm
CSPA	https://app.leg.wa.gov/RCW/dispo.aspx?cite=70.240.020
California Assembly Bill No. 652	https://leginfo.ca.gov/faces/billPdf.xhtml?bill_id=20210220AB652&version=20210AB65292CHP
California Assembly Bill No. 647	https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201920200SB647
Canada's Children's Jewellery Regulations	https://lois-laws.justice.gc.ca/PDF/SOR-2018-82.pdf
Canada's Lead in Consumer Products Regulations	https://lois-laws.justice.gc.ca/PDF/SOR-2018-83.pdf
Phthalates Regulations, Canada	https://lois-laws.justice.gc.ca/PDF/SOR-2016-188.pdf
DEHP in Children's Plastic Products, Australia	https://www.legislation.gov.au/Details/F2011L00192/1bb491b5-82be-45ce-ba88-f37848e21ce3
Toys Containing Lead and Other Elements, Australia	https://www.legislation.gov.au/Details/F2009L00223/5ad20c26-801e-49b5-8fa0-ff46027f1bc1
German Consumer Goods Ordinance	http://www.gesetze-im-internet.de/bedggstv/BedGgstV.pdf
REACH (UK)	https://www.legislation.gov.uk/ukxi/2008/2852/made/data.pdf
POPs (UK)	https://www.legislation.gov.uk/ukxi/2023/1217/made
Korea The General Safety Standards for Children's Products	https://www.law.go.kr/LSW/lsSc.do?menuId=0&query=%EC%96%B4%EB%A6%B0%EC%9D%B4%EC%A0%9C%ED%92%88&subMenu=1#
Saudi Arabia Technical Regulation on Textile Products	https://www.saso.gov.sa/ar/Laws-And-Regulations/Technical_regulations/Documents/%D8%A7%D9%84%D9%84%D8%A7%D8%A6%D8%AD%D8%A9%20%D8%A7%D9%84%D9%81%D9%86%D9%8A%D8%A9%20%D9%84%D9%84%D9%85%D9%86%D8%AA%D8%AC%D8%A7%D8%AA%20%D8%A7%D9%84%D9%86%D8%B3%D9%8A%D8%AC%D9%8A%D8%A9%20.pdf
Japan Chemical Substance Management Law	https://www.meti.go.jp/policy/chemical_management/kasinhou/about/substance_list.html
Minnesota H.F. No. 2310	https://www.revisor.mn.gov/laws/2023/0/Session+Law/Chapter/60/