Fast Retailing
Product Restricted Substances List (PRSL)

-Version 2026

Revision history

Version	Revision description	Effective Date
2013	Initial release	01/04/2013
2014	Annual update	01/01/2014
2015	Annual update	05/15/2015
2015	Additional update	16/11/2015
2016	Annual update	25/04/2016
2017	Annual update	26/04/2017
2018	Annual update	25/07/2018
2019	Annual update	10/05/2019
2020	Annual update	29/05/2020
2021	Annual update	31/05/2021
2022	Annual update	31/05/2022
2023	Annual update	31/05/2023
2024	Annual update	31/05/2024
2025	Annual update	30/06/2025
2026	Annual Update	15/06/2026

Change log for the version 2026

Changes	Reference value changed	Additional controlled substances	Test item change	Additional test items	Revised standards
Test Methods					Updated to the latest test standards.
2. Phthalates (ortho-phthalates)	●				Change of standard value based on Oeko-tex
3a. Brominated Flame retardants	●				Change of standard value based on POPs, AFIRM, and Oeko-tex.
3b. Phosphorus Flame retardants	●				Change of standard value based on AFIRM, Oeko-tex
3c. Other Flame Retardants	●				Change of standard value based on Oeko-tex
		●			Newly added according to POPs, Oeko-tex. Dechlorane plus
4a. Azo dyes		●			Newly added according to Oeko-tex: p-anisidine
			●		4a. Remove the application of Aniline to Test Code H.
4d. Disperse & Carcinogenic Dyes	●				Standard value changed based on

					AFIRM and Oeko-tex. Version added to the test method.
		●			Newly added according to Oeko-tex. CI Reactive brown 51
5. Organotin compounds					Version update of the test method
6a. PFAS		●			The test implementation will be changed to test all PFAS that can be tested at each test organization.
6b. PFAS Total Fluorine					Version update of the test method
7. COC (Chlorobenzenes/Chlorotoluenes)	●				Change of standard value based on AFIRM; Version added to the test method
8a. Halogenated solvents / VOCs	●				Change of standard value based on Oeko-tex
8b. Other Solvents	●				Change of standard value based on AFIRM & Oeko-tex; Version update of the test method
			●		Move to 17. Others as 2,2'-Methylene bis(4-methyl-6-tert-butylphenol) based on Oeko-tex 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
		●			Newly added according to AFIRM, Oeko-tex. Acetophenone Azine n-hexane
9. Chlorinated Phenols	●				Change of standard value based on Oeko-tex
10. Chlorinated Paraffins (SCCP / MCCP)	●				Change of standard value based on Oeko-tex
11a. Heavy Metals	●				Change of standard value based on AFIRM & Oeko-tex;

					Added Reporting Limit; Version added to the test method
13. PAHs	●				Change of standard value based on Oeko-tex
14. Pesticides	●				Change of standard value based on AFIRM & Oeko-tex
		●			Newly added according to Oeko-tex: Alphamethrin Triazophos
16. Nitrosamines	●				Change of standard value based on Oeko-tex
17. Others	●				Change of standard value based on AFIRM & Oeko-tex
			●		17. Add the application of item 17. Bisphenols to Test Code E & F.
			●		17. Remove Glutaraldehyde.
			●		Add notes in the remark section.
		●			Newly added according to Oeko-tex: 2,2'-Methylene bis(4-methyl-6-tert-butylphenol)
20. UV Calculators	●				Change of standard value based on AFIRM & Oeko-tex
22.SVHC (substance of very high concern)		●			Add a new substance to the list
23. Siloxanes		●			Newly added according to Oeko-tex. Octamethyltrisiloxane Decamethyltetrasiloxane 1,1,1,3,5,5,5-Heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane

Contents

Introduction

Fast Retailing (FR) has committed to detox the apparel and footwear supply chains starting from 2013. To comply with this commitment, FR would eliminate the release of hazardous chemicals to protect consumers, workers, sourcing communities, and the natural environment using an approach based on Prevention[1] and Precautionary[2] Principle.

We recognize it is very important to address hazardous substances that could be present in finished products. FR has developed its Product Restricted Substances List (PRSL), which defines thresholds and restrictions for substances identified as hazardous and potentially contained in products.

Methodology

The intent of FR PRSL is to provide suppliers with a clear list of chemical substances that have been banned or restricted due to government legislation or are being phased out voluntarily by FR because the chemicals or materials could present an environmental, health, or safety risk. It includes 11 priority chemical groups referring to FR's detox commitment as well as additional substances aligned with other regulations, such as Oeko-Tex 100, and AFIRM, and identified by industry expert's evaluation.

It defines the limit values restricted in the final product according to their hazard class and their possible intended use, as well as the testing methods and the reporting limits. Each limit is valid for homogeneous parts of the concerned product if not otherwise stated.
The PRSL is reviewed at least annually.

The FR PRSL should be communicated to raw material suppliers, including sub-contractors and factories assembling or manufacturing garments and footwear.

Scope

- Apparel. Any garment worn on the body intended to protect, cover, or adorn.
- Footwear. Any durable covering for the feet intended to protect, cover, or comfort.
- Accessories. Any product intended to complement apparel, both carried and worn.
- Jewelry. Small decorative items worn for personal adornment such as rings, necklaces, earrings, pendants, bracelets and cufflinks. Jewelry may be attached to the body or clothing.
- Home Textiles. Any product intended for functional or decorative purposes in the home.
- Trim parts.

[1] This means solutions are focused on elimination of use at source, not on end-of-pipe or risk management. This requires either substitution with non-hazardous chemicals or where necessary finding non-chemical alternative solutions, such as re-evaluating product design or the functional need for chemicals

[2] This means taking preventive action before waiting for conclusive scientific proof regarding cause and effect between the substance (or activity) and the damage. It is based on the assumption that some hazardous substances cannot be rendered harmless by the receiving environment (i.e. there are no 'environmentally acceptable'/'safe' use or discharge levels) and that prevention of potentially serious or irreversible damage is required, even in the absence of full scientific certainty.

Definitions

Chemical Substance:
A chemical substance is a chemical element and its compounds in the natural state or obtained by any manufacturing process

Hazardous chemicals:
Hazardous chemicals mean those show intrinsically hazardous properties: persistent, bioaccumulative and toxic (PBT); very persistent and very bioaccumulative (vPvB); carcinogenic, mutagenic and toxic for reproduction (CMR); endocrine disruptors (ED), or other properties of equivalent concern, not just those that have been regulated or restricted in other regions.

Homogeneous parts:
Uniform composition throughout, i.e. a material that cannot be mechanically disjointed into different materials.

Prevention Principle:
This means solutions are focused on elimination of use at source, not on end-of-pipe or risk management. This requires either substitution with non-hazardous chemicals or where necessary finding non-chemical alternative solutions, such as re-evaluating product design or the functional need for chemicals.

Precautionary Principle:
This means taking preventive action before waiting for conclusive scientific proof regarding cause and effect between the substance (or activity) and the damage. It is based on the assumption that some hazardous substances cannot be rendered harmless by the receiving environment (i.e. there are no “environmentally acceptable”/”safe” use or discharge levels) and that prevention of potentially serious or irreversible damage is required, even in the absence of full scientific certainty.

CAS Number:
Chemical Abstracts Service number, single and unique numerical identifiers to every chemical substance. FR MRSL focuses on chemical substances listed by CAS number, but it also includes groups of substances for which listing individual substances is not practical

Reporting Limit:
It is defined as the lowest concentration at which accurate, precise, and robust data can be reported.

n.d.(Not detected):
Below the reporting limit, the parameter is considered to be Not detected; vice versus, the parameter is Detected if it is at or above the reporting limit.

Trim parts:
Except for the packaging materials, all the trims and accessories that sewed in the garment (sewing thread, button, interlining, lining, zips, labels, care label, etc.).

General Requirements

These substances must not be present in Component or Materials in finished products at concentrations above this limit. Requirements indicate the minimum value that must be met as FR Group. Reporting limits and Test methods are for reference only. Regarding the verification by testing, suppliers are expected to follow testing programs provided by each FR Group brand.

The substances marked with “Yes” in AFIRM RSL column are covered by AFIRM RSL.
More information and guidance on each substance are available on the AFIRM Chemical Information Sheets, including, where it may be found, why it is restricted and what are safer alternatives. Valuable information about RSL compliance, RSL failure resolution and other online educational resources are available on the AFIRM Group Chemistry Toolkit.

Parameter	CAS Number	FR PRSL 2026			AFIRM RSL 2026 v11
		Requirements Component / Materials in Finished Product	Reporting Limits	Test Methods	
1. AP / APEO					
Octylphenol (OP)	Various including 27193-28-8 140-66-9 1806-26-4 85771-77-3	Textile: Sum of AP: 10 mg/kg,Sum of AP & APEO: 100 mg/kg Leather: Sum of AP (except BP): 20 mg/kg,Sum of AP & APEO(except BP): 100 mg/kg	NP, OP, PP, HP, BP, : 3 mg/kg	AP Textile / Leather: 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 Down (China market only): GB/T 23322-2018 for compliance with GB/T 14272-2021	yes
Nonylphenol (NP)	Various including 25154-52-3 104-40-5 84852-15-3 11066-49-2	Textile: Sum of AP: 10 mg/kg,Sum of AP & APEO: 100 mg/kg Leather: Sum of AP (except BP): 20 mg/kg,Sum of AP & APEO(except BP): 100 mg/kg	NP, OP, PP, HP, BP, : 3 mg/kg		yes
Pentylphenol (PP)	Various	Baby: Textile: Sum of AP: 10 mg/kg,Sum of AP & APEO: 100 mg/kg Leather: Sum of AP (except BP): 20 mg/kg,Sum of AP & APEO(except BP): 100 mg/kg	NP, OP, PP, HP, BP, : 3 mg/kg		
Heptylphenol (HP)	Various	Baby: Textile: Sum of AP: 10 mg/kg,Sum of AP & APEO: 100 mg/kg Leather: Sum of AP (except BP): 20 mg/kg,Sum of AP & APEO(except BP): 100 mg/kg	NP, OP, PP, HP, BP, : 3 mg/kg		
4-tert-butylphenol (BP)	98-54-4	Baby: Textile: Sum of AP: 10 mg/kg,Sum of	NP, OP, PP, HP, BP, : 3 mg/kg		

		AP & APEO: 100 mg/kg Leather: BP: 1000 mg/kg			
Octylphenolethoxylates, n=1 to n= 16	Various, including 68987-90-6 9036-19-5 9002-93-1	Textile:Sum of AP & APEO: 100 mg/kg Leather: Sum of AP & APEO(except BP): 100 mg/kg	NPEO, OPEO: 1 mg/kg	All materials except Leather: EN ISO 18254-1:2016 with determination of APEO using LC/MS or LC/MS/MS Leather: Sample prep and analysis using EN ISO 18218-1:2023 with quantification according to EN ISO 18254-1:2016 Down (China market only): GB/T 23322-2018 for compliance with GB/T 14272-2021	yes
Nonylphenolethoxylates, n=1 to n=16	Various including 9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-87-0	Textile:Sum of AP & APEO: 100 mg/kg Leather: Sum of AP & APEO(except BP): 100 mg/kg	NPEO, OPEO: 1 mg/kg		yes
2. Phthalates (ortho-phthalates)					
Butyl benzyl Phthalate (BBP)	85-68-7	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-n-butyl Phthalate (DBP)	84-74-2	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-n-octyl Phthalate (DnOP)	117-84-0	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-iso-nonyl Phthalate (DINP)	28553-12-0	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-iso-decyl Phthalate (DIDP)	26761-40-0	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Dimethyl phthalate (DMP)	131-11-3	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Diethyl Phthalate (DEP)	84-66-2	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-n-propyl Phthalate (DPrP)	131-16-8	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-iso-butyl Phthalate (DIBP)	84-69-5	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes

Di-cyclohexyl Phthalate (DCHP)	84-61-7	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-n-hexyl phthalate (DnHP / DHEXP)	84-75-3	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-n-nonyl Phthalate (DNP)	84-76-4	Baby: 500 mg/kg ~~(each)~~ ~~1000 mg/kg~~ (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	
Di-iso-octyl Phthalate (DIOP)	27554-26-3	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Bis(methylglycol) phthalate (DMEP)	117-82-8	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-iso-heptyl Phthalate (1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich) (DIHpP)	71888-89-6	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-n-pentylphthalate (DnPP/DPENP)	131-18-0	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Diisopentylphthalate (DiPP)	605-50-5	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
N-pentyl-isopentyl phthalate (nPiPP)	776297-69-9	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear standard	84777-06-0	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-hexyl Phthalate, branched and linear (DHxP)	68515-50-4	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Di-iso-hexyl Phthalate (DIHxP)	71850-09-4	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
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	68515-51-5 / 68648-93-1	baby:500 mg/kg(sum) non-baby:500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes

Bis(2-propylheptyl) phthalate (DPHP)	53306-54-0	Information only	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes
All other phthalates / all esters of ortho-phthalic acid	Various	--	--	--	
3a. Brominated Flame retardants					
Polybrominated biphenyls (PBBs)	59536-65-1 various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Monobromo biphenyls (MonoBB)	26264-10-8, 2052-07-5, 2113-57-7, 92-66-0 various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Dibromo biphenyls (DiBB)	13029-09-9, 92-86-4, 59080-32-9, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tribromo biphenyls (TriBB)	51202-79-0, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tetrabromo bipenyls (TetraBB)	60044-24-8, 60044-25-9, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Pentabromo biphenyls (PentaBB)	67888-96-4, 59080-39-6, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Hexabromo biphenyls (HexaBB)	59080-40-9, 36355-01-8, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Heptabromo biphenyls (HeptaBB)	-	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Octabromo biphenyls (OctaBB)	27858-07-7, 61288-13-9, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Nonabromo biphenyls (NonaBB)	27753-52-2, 69278-62-2 119264-62-9, 119264-63-0, various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Decabromo biphenyls (DecaBB)	13654-09-6	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tris(2,3-Dibromopropyl)-Phosphate (TRIS)	126-72-7	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes

Polybrominated diphenyl ethers (PBDEs)	various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Monobromo diphenyl ethers (MonoBDE)	various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Dibromo diphenyl ethers (DiBDE)	various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tribromo diphenyl ethers (TriBDE)	various	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tetrabromo diphenyl ethers (TetraBDE)	40088-47-9	sum of 5 PBDEs:10 mg/kg ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Pentabromo diphenyl ethers (PentaBDE)	32534-81-9	sum of 5 PBDEs:10 mg/kg ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Hexabromo diphenyl ethers (HexaBDE)	36483-60-0	sum of 5 PBDEs:10 mg/kg ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	sum of 5 PBDEs:10 mg/kg ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Octabromo diphenyl ethers (OctaBDE)	32536-52-0	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Nonabromo diphenyl ethers (NonaBDE)	63936-56-1	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Decabromo diphenyl ethers (DecaBDE)	1163-19-5	sum of 5 PBDEs:10 mg/kg ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tetrabromo-bisphenol A (TBBPA)	79-94-7	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Bis(2,3-dibromopropyl)phosphate (BIS / BDBPP)	5412-25-9	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194- 55-6	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes

2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
1,1'- [ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	Baby:10 mg/kg each;50 mg/kg sum ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	
Decabromodiphenyl ethane (DBDPE)	84852-53-9	10 mg/kg	10 ~~5~~ mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Bis(2-ethylhexyl) tetrabromophtalate,any of the individual isomers and/or combinations thereof (TBPH)	26040-51-7	Baby:10 mg/kg each;50 mg/kg sum ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	
2-ethylhexyl-2,3,4,5-tetrabromobenzoate (TBB)	183658-27-7				
Tetrabromobisphenol A bis(dibromopropyl ether)	21850-44-2			--	
3b. -Phosphorus Flame retardants					
Tris (2-Chloroethyl) Phosphate (TCEP)	115-96-8	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tris(1-aziridinyl)phosphine oxide) (TEPA)	545-55-1	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tris(1-chloro-2-propyl) phosphate (TCPP)	13674-84-5	baby:10 mg/kg each;50mg/kg sum	10mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	
Trixylyl phosphate (TXP)	25155-23-1	baby:10 mg/kg each;50 mg/kg sum non-baby：10mg/kg each ~~n.d.~~	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Triphenyl phosphate (TPP)	115-86-6	500 mg/kg	50 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10] octadeca-7,15-diene (“Dechlorane Plus”™)	-				
Bis(chloromethyl) propane-1-3-diyl tetrakis-(2-chloroethyl) bisphosphate)(V6)	38051-10-4				
Trimethyl phosphate	512-56-1				
Tri-o-cresyl phosphate (TOCP)	78-30-8	baby:10mg/kg each;50 mg/kg sum	10mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	
3c. Other Flame retardants					
Diboron trioxide	1303-86-2	Baby: 10 mg/kg each;50mg/kg sum ~~n.d.~~	10 ~~5~~ mg/kg	Acid digestion With ICP-MS analysis	

Boric acid	10043-35-3, 11113-50-1	Baby: 10 mg/kg each;50mg/kg sum ~~n.d.~~	10 ~~5~~ mg/kg	Acid digestion With ICP-MS analysis	
Disodium Tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3, 215-540-4 (EINECS No., not CAS No.)	Baby: 10 mg/kg each;50mg/kg sum~~n.d.~~	10 ~~5~~ mg/kg	Acid digestionWith ICP-MS analysis	
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Baby: 10 mg/kg each;50mg/kg sum ~~n.d.~~	10 ~~5~~ mg/kg	Acid digestion With ICP-MS analysis	
Disodium octaborate	12008-41-2	Baby: 10 mg/kg each;50mg/kg sum ~~n.d.~~	10 ~~5~~ mg/kg	Acid digestion With ICP-MS analysis	
Zinc borate salts	1332-07-6	Baby: 10 mg/kg each;50mg/kg sum ~~n.d.~~	10 ~~5~~ mg/kg	Acid digestion With ICP-MS analysis	
Barium diboron tetraoxide	13701-59-2	Baby: 10 mg/kg each;50mg/kg sum	10 mg/kg	Acid digestion With ICP- OES analysis	
Dechlorane Plus	13560-89-9, 135821-03-3 135821-74-8	1000 mg/kg	10 mg/kg	in house method,analysis with GCMS	
4a. Azo dyes					
4-Aminobiphenyl	92-67-1	20 mg/kg	--	--	
Benzidine	92-87-5	20 mg/kg	--	--	
4-Chloro-o-toluidine	95-69-2	20 mg/kg	--	--	
2-Naphtylamine	91-59-8	20 mg/kg	--	--	
o-Aminoazotoluene	97-56-3	20 mg/kg	--	--	
5-Nitro-o-toluidine	99-55-8	20 mg/kg	--	--	
4-Chloroaniline	106-47-8	20 mg/kg	--	--	
2,4-Diaminoanisole	615-05-4	20 mg/kg	--	--	
4,4'-Diaminodiphenylmethane	101-77-9	20 mg/kg	--	--	
3,3'-Dichlorobenzidine	91-94-1	20 mg/kg	--	--	
3,3'-Dimethoxybenzidine	119-90-4	20 mg/kg	--	--	
3,3'-Dimethylbenzidine	119-93-7	20 mg/kg	--	--	
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	20 mg/kg	--	--	
p-Cresidine	120-71-8	20 mg/kg	--	--	
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	20 mg/kg	--	--	
4,4'-Oxydianiline	101-80-4	20 mg/kg	--	--	
4,4'-Thiodianiline	139-65-1	20 mg/kg	--	--	
o-Toluidine	95-53-4	20 mg/kg	--	--	
2,4-Toluenediamine	95-80-7	20 mg/kg	--	--	
2,4,5-Trimethylaniline	137-17-7	20 mg/kg	--	--	
o-Anisidine	90-04-0	20 mg/kg	--	--	
Aminoazobenzene	60-09-3	20 mg/kg	--	--	
2,4-Xylidine	95-68-1	20 mg/kg	--	--	
2,6-Xylidine	87-62-7	20 mg/kg	--	--	
Aniline	62-53-3	baby-leather: 100 mg/kg	30 mg/kg	ISO 17234-1: 2024 without reducing agent'-	

4-chloro-o-toluidinium chloride	3165-93-3	--	--	--	
2-Naphthylammoniumacetate	553-00-4	--	--	--	
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	--	--	--	
2,4,5-trimethylaniline hydrochloride	21436-97-5	--	--	--	
2-amino-5-nitrothiazole	121-66-4	--	--	--	
2-methyl-p-phenylendiamine/2,5-Diaminotoluene	95-70-5	--	--	--	
3,3'-diaminobenzidine	91-95-2	--	--	--	
p-phenetidine	156-43-4	--	--	--	
p-anisidine	104-94-9	--	--	--	
N-methylaniline	100-61-8				
4b. Azo dyes (Free amines)					
4-Aminobiphenyl	92-67-1	--	--	--	
Benzidine	92-87-5	--	--	--	
4-Chloro-o-toluidine	95-69-2	--	--	--	
2-Naphtylamine	91-59-8	--	--	--	
o-Aminoazotoluene	97-56-3	--	--	--	
5-Nitro-o-toluidine	99-55-8	--	--	--	
4-Chloroaniline	106-47-8	--	--	--	
2,4-Diaminoanisole	615-05-4	--	--	--	
4,4'-Diaminodiphenylmethane	101-77-9	--	--	--	
3,3'-Dichlorobenzidine	91-94-1	--	--	--	
3,3'-Dimethoxybenzidine	119-90-4	--	--	--	
3,3'-Dimethylbenzidine	119-93-7	--	--	--	
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	--	--	--	
p-Cresidine	120-71-8	--	--	--	
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	--	--	--	
4,4'-Oxydianiline	101-80-4	--	--	--	
4,4'-Thiodianiline	139-65-1	--	--	--	
o-Toluidine	95-53-4	--	--	--	
2,4-Toluenediamine	95-80-7	--	--	--	
2,4,5-Trimethylaniline	137-17-7	--	--	--	
o-Anisidine	90-04-0	--	--	--	
Aminoazobenzene	60-09-3	--	--	--	
2,4-Xylidine	95-68-1	--	--	--	
2,6-Xylidine	87-62-7	--	--	--	
Aniline	62-53-3	baby-leather: 100 mg/kg	30 mg/kg	ISO 17234-1: 2024 without reducing agent'-	
4-chloro-o-toluidinium chloride	3165-93-3	--	--	--	
2-Naphthylammoniumacetate	553-00-4	--	--	--	
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	--	--	--	
2,4,5-trimethylaniline hydrochloride	21436-97-5	--	--	--	

2-amino-5-nitrothiazole	121-66-4	--	--	--	
2-methyl-p-phenylendiamine	615-50-9	--	--	--	
3,3'-diaminobenzidine	91-95-2	--	--	--	
p-phenetidine	156-43-4	--	--	--	
p-anisidine	20265-97-8	--	--	--	
4c. Navy Blue					
Navy Blue	1. CAS # 118685-33-9; 2. Not Allocated	30 mg/kg	5 mg/kg	With Reference to DIN 54231 With LC-DAD-MSD analysis	yes
4d. Disperse & Carcinogenic Dyes					
Acid Red 26	3761-53-3	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Acid Red 114	6459-94-5	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Acid Violet 49	1694-09-3	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Blue 26	2580-56-5	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Green 4 (malachite green chloride)	569-64-2	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Green 4 (malachite green oxalate)	2437-29-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Green 4 (malachite green)	10309-95-2	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Green 4 leuco base (Leucomalachite green, N,N,N',N'-tetramethyl-4,4'-benzylidenedianiline)	129-73-7	--	--	--	
Basic Red 9	569-61-9	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Violet 1	8004-87-3	--	--	--	
Basic Violet 3	548-62-9	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Violet 14	632-99-5	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Basic Yellow 2/ Solvent yellow 34 (hydrochloride and free base)	2465-27-2 492-80-8	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
D&C Red No. 19	81-88-9	--	--	--	
Direct Black 38	1937-37-7	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Direct Blue 6	2602-46-2	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Direct Blue 15	2429-74-5	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Direct Blue 218	28407-37-6	--	--	--	

Direct Brown 95	16071-86-6	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Direct Red 28	573-58-0	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 1	2475-45-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 3	2475-46-9	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 7	3179-90-6	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 26	3860-63-7	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 35	12222-75-2, 56524-77-7, 56524-76-6	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 102	12222-97-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 106	12223-01-7	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Blue 124	61951-51-7	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Brown 1	23355-64-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Orange 1	2581-69-3	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Orange 3	730-40-5	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Orange 11	82-28-0	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Orange 37/59/76	13301-61-6, 12223-33-5, 51811-42-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Orange 149	85136-74-9	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Red 1	2872-52-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Red 11	2872-48-2	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Red 17	3179-89-3	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Red 60	17418-58-5	--	--		
Disperse Red 151	61968-47-6	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 1	119-15-3	30 mg/kg	15 mg/kg	DIN 54231:2022With HPLC-DAD-MSD analysis	yes

Disperse Yellow 3	2832-40-8	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 7	6300-37-4	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 9	6373-73-5	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 23	6250-23-3	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 39	12236-29-2	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 49	54824-37-2,6858-49-7	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 56	54077-16-6	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Michler's ketone [4,4'-Bis(dimethylamino)benzophenone]	90-94-8	Baby:1000 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Michler's base (N,N,N',N'-Tetramethyl-4,4'-methylenedianiline)	101-61-1	Baby:1000 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Orange lead (lead tetroxide)	1314-41-6				
Lead Chromate	7758-97-6				
Pigment Red 104 (Lead chromate molybdate sulphate red)	12656-85-8	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Pigment Yellow 34 (Lead sulfochromate yellow)	1344-37-2	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Pyrochlore, antimony lead yellow	8012-00-8	--	--	--	
Solvent Blue 4	6786-83-0	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Solvent Yellow 1	60-09-3	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
Solvent Yellow 2 (4-Dimethylaminoazobenzene)	60-11-7	30 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	yes
Solvent Yellow 3	97-56-3	Baby: 50 mg/kg	15 mg/kg	DIN 54231:2022 With HPLC-DAD-MSD analysis	
C.I. Reactive brown 51	1330622-40-6	Baby: 500 mg/kg	500 mg/kg	in house method with HPLC-DAD/MS analysis	
Solvent Yellow 14	842-07-9	--	--	--	
5. Organotin Compounds					
Bis(tributyltin) oxide (TBTO)	56-35-9	--	--	--	
Dibutyltin, DBT	H based: 1002-53-5, Cl based: 683-18-1	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Dimethyltin, DMT	Cl based: 753-73-1	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes

Dioctyltin, DOT	H based: 94410-05-6, Cl based: 3542-36-7	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Diphenyltin, DPhT	H based: 1011-95-6, 6381-06-2 Cl based: 1135-99-5	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Dipropyltin, DPT	Various	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Monobutyltin, MBT	H based: 78763-54-9, Cl based: 1118-46-3	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Monomethyltin, MMT	Various, including 993-16-8	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Monooctyltin, MOT	H based: 15231-57-9, Cl based: 3091-25-6	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Monophenyltin, MPhT	Cl based: 1124-19-2	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Tetrabutyltin, TeBT	1461-25-2	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Tetraethyltin, TeET	597-64-8	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Tetraoctyltin, TeOT	Various	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Tributyltin, TBT	H based 36643-28-4, Cl complex: 56573-85-4, Cl based: 1461-22-9	0.5 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Tricyclohexyltin, TCyHT	H based: 6056-50-4 Cl based: 3091-32-5	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Trimethyltin, TMT	Cl based: 1066-45-1	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Trioctyltin, TOT	-	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Triphenyltin, TPhT	H based: 892-20-6, Cl based: 639-58-7 ion: 668-34-8	0.5 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
Tripropyltin, TPT	H based: 761-44-4 Cl based: 2279-76-7	1 mg/kg	0.05 mg/kg	ISO~~/TS~~ 16179:2025	yes
6a.~~ PFCs~~ PFAS					
Perfluorooctanoic acid (PFOA) and its salts	335-67-1	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes

Potassium perfluorooctanoate (PFOA-K)	2395-00-8	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
PFOA-related substances	various	Sum of PFOA related substances: 1 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
2-Perfluorooctylethanol (8:2 FTOH)	678-39-7	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorodecanesulphonic acid (8:2 FTS)	39108-34-4	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
2H,2H Perfluorodecane Acid (H2PFDA / 8:2 FTCA)	27854-31-5	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluoroctane sulfonate (PFOS) and its salts	1763-23-1	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH4)	29081-56-9	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes

Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorooctanesulfonic acid, tetraethylammomium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Didecyldimethylammonium perfluorooctane sulfonate (PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8	0.025 mg/kg (sum of PFOS and its salts)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
PFOS-related substances					yes
Perfluorooctane sulfonamide (PFOSA)	754-91-6	1mg/kg (sum of PFOS and related substances)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorooctane sulfonfluoride (PFOSF)	307-35-7	1mg/kg (sum of PFOS and related substances)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	1mg/kg (sum of PFOS and related substances)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
N-Ethylperfluoro-1-octanesulfonamide (N -Et-FOSA)	4151-50-2	1mg/kg (sum of PFOS and related substances)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	1mg/kg (sum of PFOS and related substances)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	1mg/kg (sum of PFOS and related substances)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
C9-C14 PFCAs and their salts	various	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
Perfluorononanonic acid (PFNA)	375-95-1	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorododecanoic acid (PFDA)	335-76-2	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Henicosafluoroundecanoic acid (PFUdA / PFUnA)	2058-94-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Tricosafluorododecanoic acid PFDoDA	307-55-1	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes

Pentacosafluorotridecanoic acid (PFTrDA)	72629-94-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Heptacosafluorotetradecanoic acid (PFTeDA)	376-06-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
C9-C14 PFCA related substances	various	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
Perfluorodecane sulfonic acid (PFDS)	335-77-3	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	865-86-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	34598-33-9	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH)	678-39-7	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes

Perfluorohexane sulfonate (PFHxS) and its salts	355-46-4	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorohexanesulfonic acid, sodium salt (PFHxS-Na)	82382-12-5	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorohexanesulfonic acid, potassium salt (PFHxS-K)	3871-99-6	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li)	55120-77-9	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorohexane Sulfonic acid, ammonium salt (PFHxS-NH4)	68259-08-5	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
PFHxS-related Substances	Various	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl- (N-Me-FHxSA)	68259-15-4	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (PFHxSA)	41997-13-1	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
Perfluorohexanoic acid (PFHxA) and its salt	307-24-4	PFHxA and its salts:0.025 mg/kg baby：0.025 mg/kg (sum of C9-C14 PFCA and further PFCAs） ~~0.25 mg/kg~~	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
PFHxA-related Substances					
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	PFHxA-related substances:1mg/kg baby:0.05 mg/kg (sum of further PFAS)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	PFHxA-related substances:1mg/kg baby:0.05 mg/kg (sum of further PFAS)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	PFHxA-related substances:1mg/kg baby:0.05 mg/kg (sum of further PFAS)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	PFHxA-related substances:1mg/kg baby:0.05 mg/kg (sum of further PFAS)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	yes
other PFAS					
Perfluorobutane acid (PFBA) and its salt	375-22-4	baby：0.025 mg/kg (sum of C9-C14 PFCA and further PFCAs）	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	

Perfluorobutane sulfonate (PFBS) and its salt	375-73-5	baby：0.05 mg/kg (sum of further PFAS)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
Nonafluorobutanesulfonic acid hydrate (PFBS-H_2O)	59933-66-3	baby：0.05 mg/kg (sum of further PFAS)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
Perfluoropentane Acid (PFPeA) and its salts	2706-90-3	baby：0.025 mg/kg (sum of C9-C14 PFCA and further PFCAs）	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
Perfluoroheptanoic acid (PFHpA) and its salts	375-85-9	baby：0.025 mg/kg (sum of C9-C14 PFCA and further PFCAs）	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
Perfluoroheptane Sulfonate (PFHpS) and its salts	375-92-8	baby:0.05 mg/kg (sum of further PFAS)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
7H-Dodecanefluoroheptane Acid (7HPFHpA) and its salts	1546-95-8	baby:0.05 mg/kg (sum of further PFAS)	0.01 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	baby:0.05 mg/kg (sum of further PFAS)	0.1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HPFO-DA) and its salts	13252-13-6	Information Only	1 mg/kg	Leather: EN ISO 23702-1: 2023 Other materials: EN 17681-1:2025 & 17681-2:2022	
6b. ~~PFAS~~ Total Fluorine					
Total ~~Organic~~ Fluorine - As PFAS indicator	7782-41-4	50 mg/kg	50 mg/kg	Ref. to EN 14582:2016 or ASTM D7359 :2023 or EN 17813:2023	yes
7. COC (Chlorobenzenes/Chlorotoluenes)					
Chlorobenzene	108-90-7	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	-
Dichlorobenzenes	Various include 25321-22-6	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,2-Dichlorobenzene	95-50-1	baby:1 mg/kg (sum) non-baby:10 mg/kg each	0.1 mg/kg	EN 17137:2024	yes
1,3-Dichlorobenzene	541-73-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,4-Dichlorobenzene	106-46-7	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Trichlorobenzenes	Various include 12002-48-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,2,3-Trichlorobenzene,	87-61-6	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,2,4-Trichlorobenzene	120-82-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,3,5-Trichlorobenzene,	108-70-3	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Tetrachlorobenzenes	Various include 12408-10-5	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,2,3,4-Tetrachlorobenzene	634-66-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
1,2,3,5-Tetrachlorobenzene	634-90-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes

1,2,4,5-Tetrachlorobenzene	95-94-3	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Pentachlorobenzene	608-93-5	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Hexachlorobenzene	118-74-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Chlorotoluene	Various include 25168-05-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2-Chlorotoluene	95-49-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
3-Chlorotoluene	108-41-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
4-Chlorotoluene	106-43-4	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Dichlorotoluene	Various include "29797-40-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,3-Dichlorotoluene	32768-54-0	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,4-Dichlorotoluene	95-73-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,5-Dichlorotoluene	19398-61-9	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,6-Dichlorotoluene	118-69-4	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
3,4-Dichlorotoluene	95-75-0	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
3,5-dichlorotoluene	25186-47-4	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	
Trichlorotoluene	various	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,3,6-Trichlorotoluene	2077-46-5	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,4,5-Trichlorotoluene	6639-30-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,3,4-trichlorotoluene	7359-72-0	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	
2,4,6-trichlorotoluene	23749-65-7	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	
3,4,5-trichlorotoluene	21472-86-6	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	
2,3,5-trichlorotoluene	56961-86-5	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	
Tetrachlorotoluene	various	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,3,4,5-tetrachlorotoluene	76057-12-0	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,3,5,6-tetrachlorotoluene	1006-31-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
2,3,4,6-tetrachlorotoluene	875-40-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
Pentachlorotoluene	877-11-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
α,α,α,4-tetrachlorotoluene	5216-25-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
α,α,α-trichlorotoluene	98-07-7	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
α-chlorotoluene	100-44-7	1 mg/kg (sum)	0.1 mg/kg	EN 17137:2024	yes
8a. Halogenated solvents / VOCs					
Benzene	71-43-2	Baby textile:1 mg/kg Baby leather & No-baby: 5 mg/kg	1mg/kg	AFIRM method	yes
1,2-Dichloroethane	107-06-2	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby: Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
1,1-Dichloroethene	75-35-4	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg	1 mg/kg	AFIRM method	yes

		No-baby：Sum with other VOCs:500mg/kg			
Methylene chloride	75-09-2	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
cis-1,2-Dichloroethene	156-59-2	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg	1 mg/kg	AFIRM method' ~~in-house method with HS-GCMS analysis~~	
trans-1,2-Dichloroethene	156-60-5	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg	1 mg/kg	AFIRM method' ~~in-house method with HS-GCMS analysis~~	
Trichloromethane (Chloroform)	67-66-3	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
1,1,1-Trichloroethane	71-55-6	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
Carbon tetrachloride	56-23-5	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
Trichloroethene (Trichloroethylene)	79-01-6	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
1,1,2-Trichloroethane	79-00-5	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500mg/kg	1 mg/kg	AFIRM method	yes
1,1,1,2-Tetrachloroethane	630-20-6	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg	1 mg/kg	AFIRM method	yes

		No-baby：Sum with other VOCs:500 mg/kg			
Tetrachloroethene (PERC)	127-18-4	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500 mg/kg	1 mg/kg	AFIRM method	yes
1,1-Dichloroethane	75-34-3	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg	1 mg/kg	AFIRM method' ~~in-house method with HS-GCMS analysis~~	
1,1,2,2-Tetrachloroethane	79-34-5	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500 mg/kg	1mg/kg	AFIRM method	yes
Pentachloroethane	76-01-7	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs:500 mg/kg	1 mg/kg	AFIRM method	yes
1,2,3-trichloropropane	96-18-4	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 ~~1~~ mg/kg	AFIRM method	yes
Benzylchloride	100-44-7	--	--	--	
1,2-diethoxyethane	629-14-1	Baby:10 mg/kg	10 mg/kg	AFIRM method' ~~'Solvent Extraction with GC-MS analysis~~	
1,2-Dichlorobenzene	95-50-1	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
1,4-Dichlorobenzene	106-46-7	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
1-Methyl-2-pyrrolidione	872-50-4	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
2-phenyl-2-propanol	617-94-7	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
Acetophenone	98-86-2	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
Formamide	75-12-7	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
N,N-Dimethylacetamide (DMAC)	127-19-5	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes

Naphtalene	91-20-3	~~Baby:2 mg/kg~~ ~~Sum with other VOCs: 500 mg/kg~~ ~~No baby:~~ Sum with other VOCs: 500 mg/kg	20 ~~2~~ mg/kg	AFIRM method	yes
N-N-Dimethylformamide (DMFa)	68-12-2	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
Styrene	100-42-5	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
1,2,Dichloropropane	78-87-5	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
2-ethoxyethyl acetate;	111-15-9	Baby：10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 ~~5~~ mg/kg	AFIRM method	yes
2-Ethylhexane acid	149-57-5	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
Aniline	62-53-3	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
Bis(2-methoxyethyl)-ether;	111-96-6	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 ~~5~~ mg/kg	AFIRM method	yes
Isophorone	78-59-1	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
Phenol	108-95-2	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
THF	109-99-9	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
2-methoxypropylacetate;	70657-70-4	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
2-ethoxyethanol;	110-80-5	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
2-methoxyethanol;	109-86-4	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
2-methoxypropanol	1589-47-5	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
Ethylene glycol dimethyl ether / 1,2-dimethoxyethane	110-71-4	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 ~~5~~ mg/kg	AFIRM method	yes

2-methoxyethylacetate;	110-49-6	Baby:10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10~~-5~~ mg/kg	AFIRM method	yes
Hexachloroethane	67-72-1	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
n-hexane	110-54-3	Sum with other VOCs: 500 mg/kg	20 ~~10~~ mg/kg	AFIRM method	yes
1,2-bis(2-methoxyethoxy)ethane Triethylene glycol dimethyl ether (TEGDME)	112-49-2	Baby：10 mg/kg Sum with other VOCs: 500 mg/kg No-baby：Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
1-bromopropane; n-propyl bromide	106-94-5	Sum with other VOCs: 500 mg/kg	20mg/kg	AFIRM method	yes
2-(2-methyoxyethoxy)-ethanol	111-77-3	Sum with other VOCs: 500 mg/kg	20mg/kg	AFIRM method	yes
Toluene	108-88-3	Baby:10 mg/kg 'Sum with other VOCs: 500 mg/kg No-baby:Sum with other VOCs: 500mg/kg	10mg/kg	AFIRM method	yes
Ethylbenzene	100-41-4	Baby:10 mg/kg 'Sum with other VOCs: 500 mg/kg No-baby:Sum with other VOCs: 500 mg/kg	10mg/kg	AFIRM method	yes
Xylene	1330-20-7 (all isomers) 95-47-6, 106-42-3, 108-38-3	Baby:10 mg/kg 'Sum with other VOCs: 500 mg/kg No-baby:Sum with other VOCs: 500 mg/kg	10mg/kg	AFIRM method	yes
Carbon disulphide	75-15-0	Baby:10 mg/kg 'Sum with other VOCs: 500 mg/kg No-baby:Sum with other VOCs: 500mg/kg	10 '~~20~~ mg/kg	AFIRM method	yes
Cyclohexanone	108-94-1	Baby:10 mg/kg 'Sum with other VOCs: 500 mg/kg No-baby:Sum with other VOCs: 500 mg/kg	10 mg/kg	AFIRM method	yes
1,4-dioxane	123-91-1	Baby:10 mg/kg	10 mg/kg	in house method with HS-GCMS analysis	
Methylethylketone	78-93-3	baby:10 mg/kg	10 mg/kg	in house method with HS-GCMS analysis	
Vinylchloride	75-01-4	Baby：1 mg/kg	1 mg/kg	AFIRM method	
Bis(chloromethyl)ether	542-88-1	--	--	--	
Methanol	67-56-1	--	--	--	
8b. Other Solvents					
N,N-dimethylformamide (N,N-DMF) / DMFa	68-12-2	500 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:~~2019~~ 2025 (textiles),ISO 16189:2021 (all other materials)	yes

N,N-dimethylacetamide (N,N-DMAC)	127-19-5	baby:500mg/kg non-baby：'1000 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:~~2019~~ 2025 (textiles),ISO 16189:2021 (all other materials)	yes
1-methyl-2-pyrrolidone (NMP)	872-50-4	baby:500mg/kg non-baby：'1000 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:~~2019~~ 2025 (textiles),ISO 16189:2021 (all other materials)	yes
Cresol (all isomers)	1319-77-3				
o-cresol	95-48-7	Baby:10 mg/kg	10 mg/kg	Solvent Extraction with GC-MS analysis	
m-cresol	108-39-4	Baby:10 mg/kg	10 mg/kg	Solvent Extraction with GC-MS analysis	
p-cresol	106-44-5	Baby:10 mg/kg	10 mg/kg	Solvent Extraction with GC-MS analysis	
Formamide	75-12-7	baby：200 mg/kg non-baby：other：1000 mg/kg Play/baby/yoga mats:200 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:~~2019~~ 2025 (textiles),ISO 16189:2021 (all other materials)	yes
1,2-dibromomethane	106-93-4	--	--		
Bromomethane	74-96-4	--	--		
2-bromopropane	75-26-3	--	--		
Cyclododecane	294-62-2	--	--		
Acetophenone	98-86-2	50 mg/kg	5 mg/kg	Extraction in acetone or methanol GC/MS, sonication for 30 minutes at 60° C	yes
2-Phenyl-2-Propanol	617-94-7	50 mg/kg	10 mg/kg	Extraction in acetone or methanol GC/MS, sonication for 30 minutes at 60° C	yes
Acetophenone Azine	729-43-1	50 mg/kg	10 mg/kg	Extraction in acetone or methanol GC/MS or LC/MS, sonication for 30 minutes at room temperature	yes
n-hexane	110-54-3	baby:100 mg/kg	5 mg/kg	in house method,analysis with GCMS	
2-Pyrrolidinone	616-45-5	baby: 1000 mg/kg	100 mg/kg	Solvent Extraction with GC-MS analysis	
N-Ethyl-2-pyrrolidone; 1-Ethyl-2-pyrrolidinone (NEP)	2687-91-4	baby: 1000 mg/kg	10 mg/kg	Solvent Extraction with GC-MS analysis	
9. Chlorinated Phenols					
Pentachlorophenol (PCP), its salts and compounds	87-86-5	Textile: baby 0.05 mg/kg non-baby 0.5 mg/kg Leather:	0.05 mg/kg	EN 17134-2:2023	yes

		baby 0.3 mg/kg non-baby 0.5 mg/kg			
Tetrachlorophenol (TeCP)	25167-83-3	Textile: baby Sum of TeCP: 0.05 mg/kg non-baby ~~Sum~~ each of TeCP: 0.5 mg/kg Leather: baby:Sum of TeCP: 0.5 mg/kg no-baby: Each TeCP: 0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,3,4,5-Tetrachlorophenol	4901-51-3	Textile: baby Sum of TeCP: 0.05 mg/kg non-baby ~~Sum~~ each of TeCP: 0.5 mg/kg Leather: baby:Sum of TeCP: 0.5 mg/kg no-baby: Each TeCP: 0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,3,4,6-Tetrachlorophenol	58-90-2	Textile: baby Sum of TeCP: 0.05 mg/kg non-baby ~~Sum~~ each of TeCP: 0.5 mg/kg Leather: baby:Sum of TeCP: 0.5 mg/kg no-baby: Each TeCP: 0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,3,5,6-Tetrachlorophenol	935-95-5	Textile: baby Sum of TeCP: 0.05 mg/kg non-baby ~~Sum~~ each of TeCP: 0.5 mg/kg Leather: baby:Sum of TeCP: 0.5 mg/kg no-baby: Each TeCP: 0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
Trichlorophenol (TriCP)	various	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg Leather: ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,3,4-Trichlorophenol	15950-66-0	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes

		Leather: ~~baby：Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg			
2,3,5-Trichlorophenol	933-78-8	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg Leather: ~~baby：Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,3,6-Trichlorophenol	933-75-5	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg Leather: ~~baby：Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,4,5-Trichlorophenol	95-95-4	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg Leather: ~~baby：Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
2,4,6-Trichlorophenol	88-06-2	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg Leather: ~~baby：Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes

3,4,5-Trichlorophenol	609-19-8	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby: sum of TrCP: 0.2 mg/kg non-baby: each TrCP:0.5 mg/kg Leather: ~~baby：Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~ baby: sum of TrCP: 0.5mg/kg non-baby: each TrCP:0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
DiChlorophenol (DiCP)	various	Textile:~~baby Sum of TCP: 0.05 mg/kgnon-baby Sum of TCP: 0.5 mg/kg~~baby:sum of DCP: 0.5mg/kgLeather:baby:sum of DCP:1mg/kg~~baby: Each TCP: 0.5 mg/kgnon-baby：Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
2,3-Dichlorophenol	576-24-9	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby:sum of DCP: 0.5mg/kg Leather: baby:sum of DCP:1mg/kg ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby：Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
2,4-Dichlorophenol	120-83-2	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby:sum of DCP: 0.5mg/kg Leather: baby:sum of DCP:1mg/kg ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby：Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
2,5-Dichlorophenol	583-78-8	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby:sum of DCP: 0.5mg/kg Leather: baby:sum of DCP:1mg/kg ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby：Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
2,6-Dichlorophenol	87-65-0	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby:sum of DCP: 0.5mg/kg Leather:	0.05 mg/kg	EN 17134-2:2023	

		baby:sum of DCP:1mg/kg ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby：Each TCP: 1 mg/kg~~			
3,4-Dichlorophenol	95-77-2	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby:sum of DCP: 0.5mg/kg Leather: baby:sum of DCP:1mg/kg ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby：Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
3,5-Dichlorophenol	591-35-5	Textile: ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ baby:sum of DCP: 0.5mg/kg Leather: baby:sum of DCP:1mg/kg ~~baby: Each TCP: 0.5 mg/kg~~ ~~non-baby：Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
Mono Chlorophenol	various	Textile: baby:sum of MCP:0.5mg/kg ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ Leather: baby:sum of MCP:2 mg/kg ~~baby Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
2-Chlorophenol	95-57-8	Textile: baby:sum of MCP:0.5mg/kg ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ Leather: baby:sum of MCP:2 mg/kg ~~baby Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
3-Chlorophenol	108-43-0	Textile: baby:sum of MCP:0.5mg/kg ~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ Leather: baby:sum of MCP:2 mg/kg ~~baby Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~	0.05 mg/kg	EN 17134-2:2023	
4-Chlorophenol	106-48-9	Textile: baby:sum of MCP:0.5mg/kg	0.05 mg/kg	EN 17134-2:2023	

		~~baby Sum of TCP: 0.05 mg/kg~~ ~~non-baby Sum of TCP: 0.5 mg/kg~~ Leather: baby:sum of MCP:2 mg/kg ~~baby Each TCP: 0.5 mg/kg~~ ~~non-baby Each TCP: 1 mg/kg~~			
10. Chlorinated Paraffins (SCCP / MCCP)					
Short Chain Chlorinated Paraffins (SCCP) with C10 –C13	85535-84-8	Baby: 50 mg/kg (MCCP+SCCP) Non baby: 1000 mg/kg	20~~-50~~ mg/kg	Textiles: ISO 22818:2021 (SCCP + MCCP) Leather: ISO 18219-1:2021 (SCCP); ISO 18219-2:2021 (MCCP)	yes
Medium Chain Chlorinated Paraffins (MCCP) with C14 –C17	85535-85-9	Baby: 50 mg/kg (MCCP+SCCP) Non baby: 1000 mg/kg	20~~-50~~ mg/kg		yes
11a.Heavy Metals					
Total Heavy metal - (Non-Jewelry)					
Total Cadmium, Cd	7440-43-9	40 mg/kg	5 mg/kg	Non-leather: EN 16711-1:2015 Leather: ISO 17072-2:2022	yes
Total Lead, Pb	7439-92-1	30 mg/kg(coating and plastic only in Apparel) 90 mg/kg (Belt/Shoes/Bag&other parts in Apparel)	5 mg/kg	Metal: CPSC-CH-E1001-08.3 Non-metal: CPSC-CH-E1002-08.3 Paint/Surface coating: CPSC-CH-E1003-09.1 Analysis was conducted by ICP-OES or AAS	yes
Total Mercury, Hg	7439-97-6	0.5 ~~1~~ mg/kg	0.1 mg/kg	Non-leather: EN 16711-1:2015 Leather: ISO 17072-2:2022	yes
Total Cobalt, Co	7440-48-4	--			
Total Nickel, Ni	7440-02-0	--			
Total Antimony, Sb	7440-36-0	--			
Total Arsenic, As	7440-38-2	100 mg/kg	5 mg/kg	Non-leather: EN 16711-1:2015 Leather: ISO 17072-2:2022	yes
Total Copper, Cu	7440-50-8	--	--	--	
Total Zinc, Zn	7440-66-6	--	--	--	
Total Chromium, Cr	7440-47-3	--	--	--	
Total Manganese, Mn	7439-96-5	--	--	--	
Total Silver (Ag)	7440-22-4			--	
Total Barium	7440-39-3	--	--	--	
Total Selenium	7782-49-2	--	--	--	
Total Tin	7440-31-5	--	--	--	
Extractable HM (Non-Jewelry)					
Extractable Cobalt, Co	7440-48-4	baby 1.0 mg/kg non-baby 4.0 mg/kg	0.5 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Antimony, Sb	7440-36-0	~~baby 30 mg/kg~~ ~~non-baby~~ 30 mg/kg	1.0 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Arsenic, As	7440-38-2	~~baby~~ 0.2 mg/kg ~~non-baby 1.0 mg/kg~~	0.1 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes

Extractable Lead, Pb	7439-92-1	baby 0.2 mg/kg non-baby 1.0 mg/kg	0.2 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Cadmium, Cd	7440-43-9	~~baby 0.1 mg/kg~~ ~~non-baby~~ 0.1 mg/kg	0.05 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Chromium, Cr	7440-47-3	Non Leather: baby 1.0 mg/kg non-baby 2.0 mg/kg Leather: 2 mg/kg	0.5 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Copper, Cu	7440-50-8	baby 25 mg/kg non-baby :50 mg/kg	5.0 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Nickel, Ni	7440-02-0	baby :0.5 mg/kg(metallic accessories and metallized surfaces); 1.0 mg/kg (other) non-baby 1.0 mg/kg	0.1 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Mercury, Hg	7439-97-6	~~baby 0.02 mg/kg~~ ~~non-baby~~ 0.02 mg/kg	0.02 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Selenium, Se	7782-49-2	baby 100 mg/kg non-baby :500 ~~100~~ mg/kg	50 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Barium, Ba	7440-39-3	~~baby 1000 mg/kg~~ ~~non-baby~~ 1000 mg/kg	100 mg/kg	Leather: ISO 17072-1:2019 Others: EN 16711-2:2015	yes
Extractable Chromium (VI), CrVI	18540-29-9	Textile: baby:0.5 mg/kg non-baby:1 mg/kg Leather: ~~baby 0.5 mg/kg~~ ~~non-baby~~ 3 mg/kg	0.5 mg/kg	Textile: EN 16711-2:2015 Leather: ISO 17075-1:2017 with aging confirmation by ISO 17075-2：2017 Ageing condition: ISO 10195：2018 method A2	yes
Heavy metal release - (Non-Jewelry)					
Ni-release	7440-02-0	0.5 µg/cm2/week	0.1 ug/cm2/week	EN 12472:2020 and EN 1811;2023 With AAS, ICP-OES or ICP-MS analysis	yes
Total Heavy metal - (Jewelry)					
Total Lead, Pb	7439-92-1	Substrates, Paints & Coatings: Total: 90 mg/kg	10 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Total Cadmium, Cd	7440-43-9	Substrates, paints & coatings: Children: 40 mg/kg Adults: 75 mg/kg	5 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Extractable HM (Jewelry)					
Extractable Antimony, Sb	7440-36-0	Paint & coatings: 60 ppm	5 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Extractable Arsenic, As	7440-38-2	Paint & coatings: 25 ppm	5 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes

Extractable Barium, Ba	7440-39-3	Paint & coatings: 1000 ppm	100 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Extractable Chromium, Cr	7440-47-3	Paint & coatings: 60 ppm	5 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Extractable Mecury, Hg	7439-97-6	Paint & coatings: 60 ppm	5 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Extractable Selenium, Se	7782-49-2	Paint & coatings: 500 ppm	50 mg/kg	ASTM F963-23 as referenced in ASTM F2923:2020	yes
Heavy metal release - (Jewelry)					
Ni-release	7440-02-0	Direct and prolong contact with skin: 0.5 µg/cm2/ week; Body piercing: 0.2 µg/cm2/week	0.1 ug/cm2/week	EN 12472:2020 and EN 1811;2023 With AAS, ICP-OES or ICP-MS analysis	yes
11b. Cyanide					
Cyanide	Various	--	--	--	
12. Glycols					
13. PAHs					
Naphthalene	91-20-3	baby: 2mg/kg each;sum of 24 PAHs:5mg/kg non-baby:sum of 18PAHs:10 mg/kg ~~baby 1 mg/kg; non-baby 2 mg/kg~~ ~~Sum of 24 PAHs: baby 1mg/kg~~ ~~Sum of 18 PAHs: non-baby 10 mg/kg~~	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Acenaphthylene	208-96-8	Sum of 24 PAHs: baby 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Acenaphthene	83-32-9	Sum of 24 PAHs: baby 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Fluorene	86-73-7	Sum of 24 PAHs: baby 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Phenanthrene	85-01-8	~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ ~~Sum of 4 PAHs: baby 1 mg/kg~~ ~~Sum of 4 PAHs: non-baby 10 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Anthracene	120-12-7	~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ ~~Sum of 4 PAHs: baby 1 mg/kg~~ ~~Sum of 4 PAHs: non-baby 10 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Fluoranthene	206-44-0	~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ ~~Sum of 4 PAHs: baby 1 mg/kg~~ ~~Sum of 4 PAHs: non-baby 10 mg/kg~~	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes

		Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg			
Pyrene	129-00-0	~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ ~~Sum of 4 PAHs: baby 1 mg/kg~~ ~~Sum of 4 PAHs: non-baby 10 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Indeno[1,2,3-cd]pyrene	193-39-5	Sum of 24 PAHs: baby:5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Benzo[ghi]perylene	191-24-2	Sum of 24 PAHs: baby:5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Benzo-[a]-anthracene(BaA)	56-55-3	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Chrysene(CHR)	218-01-9	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Benzo-[a]-pyrene (BaP)	50-32-8	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Dibenzo-[a,h]-anthracene (DBAhA)	53-70-3	baby & childcare: 0.5 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Benzo-[b]-fluoranthene(BbFA)	205-99-2	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Benzo-[k]-fluoranthene(BkFA)	207-08-9	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Benzo-[e]-pyrene(BeP)	192-97-2	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes

		Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg			
Benzo-[j]-fluoranthene(BjFA)	205-82-3	baby & childcare: 0.5 mg/kg non-baby:1 mg/kg ~~baby 0.2 mg/kg; non-baby 0.5 mg/kg~~ Sum of 24 PAHs: baby: 5 ~~1~~mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	yes
Cyclopenta[c,d]pyrene	27208-37-3	Baby: Sum of 24 PAHs: 5 ~~1~~mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	
Dibenzo-[a,e]pyrene	192-65-4	Baby: Sum of 24 PAHs: 5 ~~1~~mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	
Dibenzo-[a,h]pyrene	189-64-0	Baby: Sum of 24 PAHs: 5 ~~1~~mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	
Dibenzo-[a,i]pyrene	189-55-9	Baby: Sum of 24 PAHs: 5 ~~1~~mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	
Dibenzo-[a,l]pyrene	191-30-0	Baby: Sum of 24 PAHs: 5 ~~1~~mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	
1-Methylpyrene	2381-21-7	Baby: Sum of 24 PAHs: 5 ~~1~~mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	
14. Pesticides					
2-(2,4,5-trichlorophenoxy) propanoic acid, its salts and compounds (2,4,5-TP)	93-72-1	~~baby:~~ 0.5 mg/kg ~~(sum)~~ ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
2,4,5-T	93-76-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
2,4,-D	94-75-7	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Acetamiprid	135410-20-7 160430-64-8	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-	

				ECD, GC-NPD & HPLC-DAD-MSD.	
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	--	--	--	
Aldicarb	116-06-3	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Aldrine	309-00-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Alphamethrin	67375-30-8	baby: 0.5 mg/kg (sum)	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Azinophosethyl	2642-71-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Azinophosmethyl	86-50-0	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Borate, zinc salt	12767-90-7	--	--	--	
Bromophos-ethyl	4824-78-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Captafol	2425-06-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Carbaryl	63-25-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes

Carbensazim	10605-21-7	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Chlordane	57-74-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Chlordimeform	6164-98-3	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Chlorfenvinphos	470-90-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Chlorbenzilat	510-15-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Chlorthalonil	1897-45-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Clothianidin	210880-92-5	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Coumaphos	56-72-4	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Cyfluthrin	68359-37-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes

Cyhalothrin	91465-08-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Cypermethrin	52315-07-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
DDD	53-19-0, 72-54-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
DDE	3424-82-6, 72-55-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
DDT	50-29-3, 789-02-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
DEF (S,S,S-Tributyl phosphorotrithioate (Tribufos))	78-48-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Deltamethrin	52918-63-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Diazinone	333-41-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dichlofluanid	1085-98-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes

Dichlorophene	97-23-4	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Dichloroprop	120-36-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dicofol	115-32-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dicrotophos	141-66-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dieldrine	60-57-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dimethoate	60-51-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dinoseb and its salts	88-85-7	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Dinotefuran	165252-70-0	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
DTTB (4, 6-Dichloro-7 (2,4,5-trichlorophenoxy) -2-Trifluoro methyl benz imidazole)	63405-99-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes

Endosulfan	115-29-7	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Endosulfan I (alpha)	959-98-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Endosulfan II (beta)	33213-65-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Endrine	72-20-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Esfenvalerate	66230-04-4	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Ethylendibromid	106-93-4	~~baby:~~ 0.5 mg/kg ~~(sum)~~ ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Fenvalerate	51630-58-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Halogenated biphenyls, including polycholorinatedbiphenyl (PCB)	-	--	--		
Halogenated diarylalkanes	-	--	--		
Halogenated diphenyl methanes, including Monomethyl-dibromo-diphenyl methane, Monomethyl-dichloro-diphenyl methane, and Monomethyl-tetrachloro-diphenyl methane	99688-47-8 / 81161-70-8 / 76253-60-6	--	--		
Halogenated naphthalenes, including polychlorinated naphthalenes (PCNs)	-	~~baby:~~ 0.5 mg/kg ~~(sum)~~ ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-	yes

				ECD, GC-NPD & HPLC-DAD-MSD.	
Halogenated terphenols, including polychlorinated terphenyl (PCT)	-	--	--		
Heptachlor	76-44-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Heptachloroepoxide	1024-57-3 28044-83-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Hexabromobiphenyl	36355-01-8	0.5 mg/kg	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Hexachlorobenzene	118-74-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Hexachlorocyclohexane, α-, with and without Lindane	319-84-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Hexachlorocyclohexane, β-, with and without Lindane	319-85-7	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Hexachlorocyclohexane, δ-, with and without Lindane	319-86-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Imidacloprid	105827-78-9 138261-41-3	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	

Isodrine	465-73-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Kelevane	4234-79-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Kepone	143-50-0	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Lead hydrogen arsenate	7784-40-9	--	--	--	
Lindane	58-89-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Malathion	121-75-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
MCPA	94-74-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
MCPB	94-81-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Mecoprop	93-65-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Metam-sodium	137-42-8	--	--	--	
Methamidophos	10265-92-6	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-	yes

				ECD, GC-NPD & HPLC-DAD-MSD.	
Methoxychlor	72-43-5	0.01 mg/kg	0.01 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Mirex	2385-85-5	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Monocrotophos	6923-22-4	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Nitenpyram	150824-47-8 120738-89-8	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Parathion (Ethylparathione)	56-38-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Parathion-methyl	298-00-0	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Pentabromobenzene	608-90-2	--	--	--	
Pentachloroanisole	1825-21-4	~~baby:~~ 0.5 mg/kg ~~(sum)~~ ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Permethrin	52645-53-1	--	--	--	
Perthane	72-56-0	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes

Phosdrin/Mevinphos	7786-34-7	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Phosphamidone	13171-21-6	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Profenophos	41198-08-7	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Propetamphos	31218-83-4	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Quinalphos	13593-03-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Quintozene	82-68-8	~~baby:~~ 0.5 mg/kg ~~(sum)~~ ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Silafluofen	105024-66-6	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Silica (particles of respirable size)	14464-46-1	--	--	--	
Strobane	8001-50-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Telodrine	297-78-9	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-	yes

				ECD, GC-NPD & HPLC-DAD-MSD.	
Thiacloprid	111988-49-9	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Thiamethoxam	153719-23-4	baby: 0.5 mg/kg (sum) ~~non-baby: 1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Thiourea	62-56-6	--	--	--	
Tolylfluanid	731-27-1	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Toxaphene	8001-35-2	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Triclosan	3380-34-5	--	--	--	
Triazophos	24017-47-8	baby: 0.5 mg/kg (sum)	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
Trifluraline	1582-09-8	baby: 0.5 mg/kg (sum) non-baby: 0.5 mg/kg (each)~~1 mg/kg (sum)~~	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Glyphosate and salts	1071-83-6 38641-94-0 70901-12-1 40465-66-5	baby: 5 mg/kg	0.5 mg/kg	With reference to USEPA Method 8081B, 3620B, 3630C. Analysis was conducted by GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD.	
15. Formaldehyde					
Formaldehyde	50-00-0	baby: tetile:16 mg/kg leather:10 mg/kg non-baby: 75 mg/kg	5 mg/kg	All materials except leather: JIS L 1041-2011 A / EN ISO 14184-1:2011 Leather: EN ISO 17226-2:2019 with EN ISO 17226-1:2021	yes

				confirmation, alternatively EN ISO 17226-1:2021 can be used on its own	
16. Nitrosamines					
N-nitrosodimethylamine (NDMA)	62-75-9	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodiethylamine (NDEA)	55-18-5	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodipropylamine (NDPA)	621-64-7	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodibutylamine (NDBA)	924-16-3	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosopiperidine (NPIP)	100-75-4	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosopyrrolidine (NPYR)	930-55-2	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosomorpholine (NMOR)	59-89-2	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitroso-N-methylaniline (NMPhA)	614-00-6	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitroso-N-ethylaniline	612-64-6	baby:0.5 mg/kg each; 5mg/kg sum non-baby:0.5 mg/kg each	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodibenzylamine	5336-53-8	baby: 0.5 mg/kg each; 5mg/kg sum	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	
N-nitrosodiethanolamine	1116-54-7	baby: 0.5 mg/kg each; 5mg/kg sum	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	
N-nitrosodiisobutylamine	997-95-5	baby: 0.5 mg/kg each; 5mg/kg sum	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	
N-nitrosodiisononylamine	1207995-62-7	baby: 0.5 mg/kg each; 5mg/kg sum	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	
N-nitrosodiisopropylamine	601-77-4	baby: 0.5 mg/kg each; 5mg/kg sum	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	
N-nitrosomethylethylamine	10595-95-6	baby: 0.5 mg/kg each; 5mg/kg sum	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	
17. Others					
Diazene-1,2-dicarboxamide [C,C`-azodi(formamide), ADCA]	123-77-3	baby: 1000 mg/kg	100 mg/kg	in house method with HPLC-DAD detection	
Dimethyl Fumarate (DMFU)	624-49-7	0.1mg/kg	0.1 mg/kg	ISO 16186:2021	yes
o-Phenylphenol (OPP)	90-43-7	Baby: Non-leather: 10 mg/kg Leather: 250 mg/kg Non-baby: 1000 mg/kg	Textile: 0.5 mg/kg Leather: 10 mg/kg	Textile: EN 17134-2:2023 Leather: ISO 13365-1:2020	yes
4-chloro-3-methylphenol (CMC)	59-50-7	Baby: Leather: 150 mg/kg	10 mg/kg	Leather: ISO 13365-1:2020	

2-Thio-cyanato-methyl-thiobenzo-thiazole (TCMTB)	21564-17-0	Baby: Leather: 250 mg/kg	10 mg/kg	Leather: ISO 13365-1:2020	
2-n-Octyl-4-isothiazolin-3-one (OIT)	26530-20-1	Baby: Leather: 50 mg/kg	10 mg/kg	Leather: ISO 13365-1:2020	
Bisphenol-A	80-05-7	baby:Items intended to come in contact with the mouth:1 mg/kg; other:10mg/kg non-baby:Textiles & Leather:10mg/kg Items intended to come in contact with the mouth:1mg/kg Polycarbonate Materials: 100 mg/kg Other Materials: 200 mg/kg	0.1 mg/kg	All other materials: AFIRM method Leather: EN ISO 11936:2023	yes
Bisphenol-B	77-40-7	Textiles and other material : 200 mg/kg each Leather:500 ~~800~~ mg/kg each ~~Other materials:1000 mg/kg each~~	1 mg/kg Leather:10 mg/kg	All other materials: AFIRM method Leather: EN ISO 11936:2023	yes
Bisphenol S	80-09-1	Textiles and other material : 200 mg/kg each Leather:500 ~~800~~ mg/kg each ~~Other materials:1000 mg/kg each~~	1 mg/kg Leather:10 mg/kg	All other materials: AFIRM method Leather: EN ISO 11936:2023	yes
Bisphenol F	620-92-8	Textiles and other material : 200 mg/kg each Leather:500 ~~800~~ mg/kg each ~~Other materials:1000 mg/kg each~~	1 mg/kg Leather:10 mg/kg	All other materials: AFIRM method Leather: EN ISO 11936:2023	yes
Bisphenol AF	1478-61-1	baby：textile:200 mg/kg leather:800 mg/kg ~~1000mg/kg~~	1 mg/kg Leather:10 mg/kg	All other materials: AFIRM method Leather: EN ISO 11936:2023	-
2,2′-Methylene bis(4-methyl-6-tert-butylphenol)	119-47-1	Baby：1000 mg/kg	100 mg/kg	All other materials: AFIRM method Leather: EN ISO 11936:2023	-
Phenol	108-95-2	Baby:textile： 20 mg/kg leather： 100 mg/kg	5 mg/kg	Solvent Extraction With HPLC-DAD analysis	
Styrene	100-42-5	500 mg/kg	1 mg/kg	Extraction in Methanol GC/MS, sonication at 60° C for 60 minutes	yes
Vinyl Chloride	75-01-4	1 mg/kg	1 mg/kg	EN ISO 6401:2022	yes
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	--	--	--	
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)	-	--	--	--	
Quinoline	91-22-5	50 mg/kg	10 mg/kg	DIN 54231:2022	yes
Methylisothiazolinone (MIT)	2682-20-4	--	--	--	

2-Octylisothiazol-3(2H)-on	26530-20-1	--	--	--	
2-Mercaptobenzothiazol (2-MBT)	149-30-4	Baby: 1000 mg/kg	100 mg/kg	Solvent Extraction With LC-MS analysis	
Bis(alpha,alpha-dimethylbenzyl)peroxide	80-43-3	Baby: 1000 mg/kg	500 mg/kg	Solvent Extraction With LC-MS analysis	
Resorcinol	108-46-3	Baby: 1000 mg/kg	500 mg/kg	Solvent Extraction With LC-MS analysis	
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		Baby: 1000 mg/kg	500 mg/kg	Solvent Extraction With LC-MS analysis	
Bis(4-chlorophenyl)sulphone	80-07-9	Baby：1000 mg/kg	500 mg/kg	Solvent Extraction With GC-MS analysis	
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	Baby：1000 mg/kg	500 mg/kg	Solvent Extraction With GC-MS analysis	
Melamine	108-78-1	Baby：1000 mg/kg	100 mg/kg	Solvent Extraction With LC-MS analysis	
N-(hydroxymethyl)acrylamide	924-42-5	Baby: 1000 mg/kg	100 mg/kg	MeOH Extraction With LC-MS analysis	
Tris(2-methoxyethoxy) vinylsilane	1067-53-4	BABY: 1000 mg/kg	100 mg/kg	Solvent Extraction With LC-MS analysis	
Perboric acid, sodium salt	Multiple, including 11138-47-9, 15120-21-5, 7632-04-04, 16940-66-2, 13517-20-9, 125022-34-6, 90568-23-3				
Titanium dioxide particles have aerodynamic diameter ≤10 µm.	13463-67-7				
Polyethoxylated tallow amine	61791-26-2				
Potassium permanganate	7722-64-7				
Cadmium chloride	10108-64-2	--	--	--	
18. VOCs emissions : Volatile Organic Compounds					
Formaldehyde	50-00-0	--	--	--	
Toluene	108-88-3	--	--	--	
Vinylcyclohexene	100-40-3	--	--	--	
4-Phenylcyclohexene	4994-16-5	--	--	--	
Butadiene	106-99-0	--	--	--	
Vinylchloride	75-01-4				
Styrene	100-42-5				
Aromatic Hydrocarbons		--	--	--	
Organic Volatiles	-	--	--	--	

19. pH value					
pH value	-	Textile: 4.0-7.5 Leather: Chrome-tanned:3.2 – 5.5 Other: 3.5 – 7.5	--	Textile & Artificial Leather: ISO 3071:2020 Leather: EN ISO 4045:2018	yes
20. UV stabilizers					
2-(2-hydroxy-3,5-di-tert-butylphenyl)-benzotriazole (UV 320)	3846-71-7	baby:100 mg/kg non-baby：1000 mg/kg	100 mg/kg	AFIRM method	yes
2-(2-hydroxy-3,5-di-t-butylphenyl)-5-chlorobenzotriazol (UV 327)	3864-99-1	baby:100 mg/kg non-baby：1000 mg/kg			yes
2-(2-hydroxy-3-sec-butyl-5-tert-butylphenyl)benzotriazole (UV 350)	36437-37-3	baby:100 mg/kg non-baby：1000 mg/kg			yes
2-(2-hydroxy-3,5-di-tert-pentylphenyl)benzotriazole (UV 328)	25973-55-1	baby: 1 mg/kg no-baby:100~~-1000-~~mg/kg	1 mg/kg		yes
Bumetrizole (UV-326)	3896-11-5	baby:100 mg/kg non-baby：1000 mg/kg	100 mg/kg	AFIRM method	yes
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	baby: 100 mg/kg non-baby：1000 mg/kg	100mg/kg	In house method, GC-MS	yes
Drometrizole	2440-22-4	Information only	100 mg/kg	In house method, GC-MS	yes
21. Isocyanates					
Diphenylmethane diisocyanate (MDI)	101-68-8	--	--	--	
Hexamethylene diisocyanate (HDI)	822-06-0	--	--	--	
Isophorone diisocyanate (IPDI)	4098-71-9	--	--	--	
Tetramethylxylene diisocyanate (TMXDI)	2778-42-9	--	--	--	
Toluene 2,4-diisocyanate (2,4-TDI)	584-84-9	--	--	--	
Toluene 2,6-diisocyanate (2,6-TDI)	91-08-7	--	--	--	
Naphthylene-1,5,di-isocyanate(1,5-NDI)	3173-72-6	--	--	--	
22. EU REACH SVHC					
See SVHC substance list	Various	1000 mg/kg	100 mg/kg	Screening method	
23. Siloxanes					
Octamethylcyclotetrasiloxane (D4)	556-67-2	1000 mg/kg	100 mg/kg	AFIRM method'	yes
Decamethylcyclopentasiloxane (D5)	541-02-6	1000 mg/kg	100 mg/kg	AFIRM method'	yes
Dodecamethylcyclohexasiloxane (D6)	540-97-6	1000 mg/kg	100 mg/kg	AFIRM method'	yes
Octamethyltrisiloxane	107-51-7	Baby：1000 mg/kg	100 mg/kg	in house method,analysis with GCMS	
Decamethyltetrasiloxane	141-62-8	Baby：1000 mg/kg	100 mg/kg	in house method,analysis with GCMS	
1,1,1,3,5,5,5-Heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	Baby：1000 mg/kg	100 mg/kg	in house method,analysis with GCMS	
24. Fluorinated Greenhouse Gases					
See Regulation (EU) No 2024/573 for a complete list.		0.1 mg/kg	0.1 mg/kg	Sample preparation: Purge and trap — thermal	yes

				desorption or SPME Measurement: GC/MS	
25. Ozone-depleting Substances					
See Regulation (EC) No 2024/590 for a complete list		n.d.	5 mg/kg	All materials: GC/MS headspace 120 degrees C for 45 minutes	yes
26. Endocrine Disrupting Chemicals					
1,3-Benzenediol	108-46-3	0.1%	0.05%	in house method，LC-MS	
Mancozeb	8018-01-7	0.1%	0.05%	in house method，ICP-OES	
cholecalciferol	67-97-0	0.1%	0.05%	in house method，LC-MS	

"Information only" is for the purpose of collecting information only and has no required limit value. It is recommended to check the content status.
"PFAS" substances provided here is merely representative and is not exhaustive.

Additional Requirements

Besides specific hazardous substances required in above table, there are some additional parameters that FR requires for products. These include restrictions and requirements on Asbestos and PVC materials, which are explained in more details in the following sections.

1. **Asbestos materials**
   The use of Asbestos materials is prohibited by domestic legislation in many countries or regions as carcinogens. Asbestos materials are used for slates, insulation and heat-retention materials, and it has been found that Asbestos materials might be the root cause of lung fibrosis, malignant mesothelioma and lung cancer when the asbestos particles have been inhaled by human body.
   If Asbestos materials are used in the facility, there is the possibility of causing serious health effects to employees and the surrounding environment. As Asbestos materials are highly dangerous, they must be investigated and treated by qualified experts.
   When it is confirmed that materials containing asbestos are found, the following countermeasures must be taken:
   - The location of the asbestos used must be recorded and marked appropriately and visibly, and countermeasures must be taken to prevent any subsequent damage;
   - Visual inspection must be conducted regularly to check any potential damage until disposal is completed;
   - Employees must be trained to increase awareness of asbestos and to learn the countermeasures in case asbestos damage is found;
   - Disposal must be conducted in accordance with the relevant laws; and
   - The asbestos materials damaged must be repaired by a qualified contractor.

2. **PVC materials**
   FR has banned the use of PVC materials in any FR products (including components). PVC is a widely used thermoplastic polymer, and it can be softer and more flexible by the addition of plasticizers and the most widely-used plasticizers are phthalates. In Apparel Industry, PVC material is commonly used in coats, jackets, aprons and bags. FR decides to ban PVC materials due to the following reasons:
   - Many phthalates are known to be reprotoxic and might cause birth defects or changes in hormone level. Phthalates are also one chemical group of 11 priority hazardous chemical to eliminate according to FR's commitment from 2013; and
   - It is claimed that dioxin is produced as a byproduct of vinyl chloride manufacture and from incineration of waste PVC in domestic garbage.

Appendix 1. Potential Uses

Chemical Group	Potential Uses
1. APs / APEOs	APEOs can be found as or found in detergents, scouring agents, spinning oils, wetting agents, softeners, emulsifying/dispersing agents for dyes and prints, impregnating agents, de-gumming for silk production, dyes and pigment preparations, polyester padding and down/feather fillings. APs are used as intermediaries in the manufacture of APEOs and antioxidants used to protect or stabilize polymers. Biodegradation of APEOs into APs is the main source of APs in the environment. APEOs and formulations containing APEOs are prohibited from use throughout supply chain and manufacturing processes. We acknowledge that residual or trace concentrations of APEOs may still be found at levels exceeding 100 ppm and that more time is necessary for the supply chain to phase them out completely. This limit covers EU legislation restricting NPEOs, effective 3 February 2021, and provides advance warning to suppliers.
2. Phthalates (ortho-Phthalates)	Esters of ortho-phthalic acid (Phthalates) are a class of organic compound commonly added to plastics to increase flexibility. They are sometimes used to facilitate the molding of plastic by decreasing its melting temperature. Phthalates can be found in: flexible plastic components (e.g., PVC); print pastes; adhesives; plastic buttons; plastic sleevings; and polymeric coatings.
3a. Brominated Flame Retardants **3b. Chlorinated Flame Retardants**	With very limited exceptions, flame-retardant chemicals, including the entire class of Organohalogen flame retardants, should no longer be applied to materials during production. The examples of flame-retardant substances listed here have been used historically across the footwear and apparel industry.
4a. Azo Dyes	Azo dyes and pigments are colorants that incorporate one or several azo groups (-N=N-) bound with aromatic compounds. Thousands of azo dyes exist, but only those which degrade to form the listed cleavable amines are restricted. Azo dyes that release these amines are regulated and should no longer be used for dyeing textiles.
4c. Navy Blue	Navy blue colorants are regulated and prohibited from use for dyeing of textiles. Index 611-070-00-2
4d. Disperse & Carcinogenic Dyes	Disperse dyes are a class of water-insoluble dyes that penetrate the fiber system of synthetic or manufactured fibers and are held in place by physical forces without forming chemical bonds. Disperse dyes are used in synthetic fiber (e.g., polyester, acetate, polyamide). Restricted disperse dyes are suspected of causing allergic reactions and are prohibited from use for dyeing of textiles.
5. Organotin Compounds	Class of chemicals combining tin and organics such as butyl and phenyl groups. Organotins are predominantly found in the environment as antifoulants in marine paints, but they can also be used as biocides (e.g., antibacterials), catalysts in plastic and glue production, and heat stabilizers in plastics/rubber. In textiles and apparel, organotins are associated with plastics/rubber, inks, paints, metallic glitter, polyurethane products and heat transfer material.

Chemical Group	Potential Uses
6. PFCs	PFOA and PFOS may be present as unintended byproducts in long-chain and short-chain commercial water-, oil-, and stain-repellent agents. PFOA may also be used in polymers like Polytetrafluoroethylene (PTFE). The area-based limit for PFOA will be superseded by Commission Regulation (EU) 2017/1000 and removed in 2023. Refer to Appendix A for the full list of substances and CAS Numbers included in this restriction. In addition to this list, all PFOA-related substances are prohibited from use
7. COC (Chlorobenzenes/Chlorotoluenes)	Chlorobenzenes and Chlorotoluenes (Chlorinated Aromatic Hydrocarbons) can be found as carriers in the dyeing process of polyester or wool/ polyester fibers. They can also be used as solvents.
8a. Halogenated Solvents / VOCs	These VOCs should not be used in textile auxiliary chemical preparations. They are associated with solvent-based processes such as solvent-based polyurethane coatings and glues/adhesives. They should not be used for any kind of facility cleaning or spot cleaning.
8b. Other Solvents	DMFa: Solvent used in plastics, rubber, and polyurethane (PU) coating. Water-based PU does not contain DMFa and is therefore preferable. DMAC: Solvent used in the production of elastane fibers and sometimes as substitute for DMFa NMP: Industrial solvent used in production of water-based Polyurethanes and other polymeric materials. May also be used as a surface treatment for textiles, resins, and metal-coated plastics, or as a paint stripper. Formamide: Byproduct in the production of EVA foams.
9. Chlorinated Phenols / OPP	OPP is used for its preservative properties in leather or as a carrier in polyester dyeing processes.
10. Chlorinated Paraffins (SCCP / MCCP)	May be used as softeners, flame retardants, or fat-liquoring agents in leather production; also as a plasticizer in polymer production.
11. Heavy Metals	Total Cadmium, Cd: Cadmium compounds may be used as pigments (especially in red, orange, yellow and green); as a stabilizer for PVC; and in fertilizers, biocides, and paints. Total Lead, Pb: May be associated with alloys, plastics, paints, inks, pigments and surface coatings. Total Mercury, Hg: Mercury compounds can be present in pesticides and as contaminants in caustic soda (NaOH). They may also be used in paints. Total Arsenic, As: Arsenic and its compounds can be found in preservatives, pesticides, and defoliants for cotton, synthetic fibers, paints, inks, trims, and plastics. Chromium, hexavalent, Cr(VI): Though typically associated with leather tanning, Chromium VI also may be used in the “after-chroming” process for wool dyeing (Chrome salts applied to acid-dyed wool to improve fastness). Cobalt, Co: Cobalt and its compounds can be found in alloys, pigments, dyestuff, and the production of plastic buttons.

Chemical Group	Potential Uses
	Antimony, Sb: Found in or used as a catalyst in polymerization of polyester, flame retardants, fixing agents, pigments, and alloys. Cadmium, Cd: Cadmium and its compounds are used as pigments (especially in red, orange, yellow, and green). It can also be used in alloys to improve hardness or be found as a contaminant Chromium, Cr: Chromium and its compounds can be found as pigments in paints. It can also be used as part of alloys such as stainless steel. Copper, Cu: Copper and its compounds can be found in alloys and pigments, and in textiles as an antimicrobial agent. Nickel, Ni: Nickel and its compounds can be found for plating alloys and improving corrosion-resistance and hardness of alloys. They can also occur as impurities in pigments and alloys. Selenium, Se: May be found in synthetic fibers, paints, inks, plastics and metal trims. Barium, Ba: Barium and its compounds can be found in pigments for inks
13. PAHs	PAHs are natural components of crude oil and are common residues from oil refining. PAHs have a characteristic smell similar to that of car tires or asphalt. Oil residues containing PAHs are added to rubber and plastics as a softener or extender and may be found in rubber, plastics, lacquers and coatings. PAHs are often found in the outsoles of footwear and in printing pastes for screen prints. PAHs can be present as impurities in Carbon Black. They also may be formed from thermal decomposition of recycled materials during reprocessing.
14. Pesticides	May be found in natural fibers, primarily cotton.
15: Formaldehyde	Used in textiles as an anti-creasing and anti-shrinking agent. It is also often used in polymeric resins.
16. Nitrosamines	Can be formed as by-product in the production of rubber.
17. Others	Dimethyl Fumarate (DMFu): DMFu is an anti-mold agent that may be used in sachets in packaging to prevent the buildup of mold, especially during shipping. Bisphenol-A: Used in the production of epoxy resins, polycarbonate plastics, flame retardants, and PVC. Restricted in items intended to come into contact with the mouth. Vinyl Chloride: Vinyl Chloride is a precursor for polymerization and may be present in various PVC materials like prints, coatings, flip flops, and synthetic leather. Quinoline: Found as an impurity in polyester and some dyestuffs.
20. UV stabilizers	PU foam materials such as open cell foams for padding. Used as UV-absorbers for plastics (PVC, PET, PC, PA, ABS, and other polymers), rubber, and polyurethane.
23. Siloxanes	Used in cleaning and cleaning products such as softeners, polishes, waxes, cosmetics, personal care products, textile treatment products, dyes, paper products and cardboard products.