ファーストリテイリング
製品制限物質リスト (PRSL)

-Version 2024　-

改訂履歴

バージョン	改訂内容	発効日
2013	初版	01/04/2013
2014	年度更新	01/01/2014
2015	年度更新	05/15/2015
2015	追加更新	16/11/2015
2016	年度更新	25/04/2016
2017	年度更新	26/04/2017
2018	年度更新	25/07/2018
2019	年度更新	10/05/2019
2020	年度更新	29/05/2020
2021	年度更新	31/05/2021
2022	年度更新	31/05/2022
2023	年度更新	31/05/2023
2024	年度更新	31/05/2024

前バージョンからの変更点

変更項目	項目追加	基準値変更	現行基準値	改定内容
Test method				最新の試験規格に更新
2. Phthalates (ortho-phthalates)	●			AFIRM に基づき新規追加 Bis(2-ethylhexyl) tetrabromophthalate
3a. Brominated Flame retardants	●			Oeko-tex に基づき Baby: n.d. として新規追加. 1,1'- [ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]
		●	Under observation	Oeko-tex に基づき Baby: n.d. に変更 Bis(2-ethylhexyl) tetrabromophtalate,any of the individual isomers and/or combinations thereof (TBPH)
3c. Other Flame retardants	●			Oeko-tex に基づき baby: 10 mg/kg として新規追加 Barium diboron tetraoxide
4d. Disperse & Carcinogenic Dyes	●			Oeko-tex に基づき baby:1000 mg/kg として新規追加 Michler's ketone [4,4'-Bis(dimethylamino)benzophenone] Michler's base (N,N,N',N'-Tetramethyl-4,4'-methylenedianiline)
5. Organotin Compounds		●	baby 1.0 mg/kg non-baby 2.0 mg/kg	AFIRM に基づき baby も non-baby も 1mg/kg に変更
	●			その他の共通市場要件*に基づき Sum of PFOA and its salts:

6a. PFCs				0.025 mg/kg として新規追加 Lithium perfluorooctanoate (PFOA-Li)
	●			その他の共通市場要件*に基づき Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg として新規追加 Potassium perfluorononanoate (PFNA-K) Lithium perfluorononanoate (PFNA-Li) Silver perfluorononanoate (PFNA-Ag) Perfluorodecanoate ammonium salt (PFDA-NH4) Potassium perfluorodecanoate (PFDA-K) Silver perfluorodecanoate (PFDA-Ag) Lithium perfluorodecanoate (PFDA-Li) Sodium perfluoroundecanoate (PFUnDA-Na) Ammonium perfluoroundecanoate (PFUnDA-NH4) Potassium perfluoroundecanoate (PFUnDA-K) Calcium perfluoroundecanoate (PFUnDA-Ca) Sodium perfluorododecanoate (PFDoDA-Na) Ammonium perfluorotridecanoate (PFTrDA-NH4)
		●	Sum of PFOA related substances: 1 mg/kg、Sum of C9-C14 PFCA related substances: 0.26 mg/kg	Sum of C9-C14 PFCA related substances: 0.26 mg/kg を削除。これらの物質は PFOA と C9-C14 PFCA 関連物質の両方に属すが、C9-C14 PFCA 関連物質として分類されたため。 Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) Perfluorononane sulfonic acid (PFNS) Sodium perfluorononanesulfonate (PFNS-Na) Potassium perfluorononanesulfonate (PFNS-K) Ammonium nonadecafluorononanesulphonate (PFNS-NH4) Perfluoroundecane sulfonic acid (PFUnDS) Perfluorododecane sulfonic acid (PFDoDS) Sodium perfluorododecanesulfonate (PFDoDS-Na) Perfluorotridecane sulfonic acid (PFTrDS) Sodium perfluorotridecanesulfonate (PFTrDS-Na) 10:2 Fluortelomerphosphatediester (10:2 diPAP) Perfluorodecyl iodide (PFDI) Perfluorododecyl iodide (PFDoDI) 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) 2H,2H Perfluorodecane Acid (H2PFDA / 8:2 FTCA) 1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP) Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na) 1H,1H,2H-Heptadecafluoro-1-decene (PFDE)
	●			その他の共通市場要件*に基づき Sum of PFOA related substances: 1 mg/kg として新規追加 Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)

			Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K) Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4) 1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC2H5)3) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP) Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na) 2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnDA / 8:3 FTCA) Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 3-Perfluoroheptyl propanoic acid (7:3 FTCA)
●			その他の共通市場要件*に基づき 1 μg/m2 として新規追加 Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Magnesium bis(heptadecafluoro octanesulphonate) (PFOS-Mg) Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate
●			その他の共通市場要件*に基づき Sum of C9-C14 PFCA related substances: 0.26 mg/kg として新規追加 Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) Perfluorononane sulfonic acid (PFNS) Sodium perfluorononanesulfonate (PFNS-Na) Potassium perfluorononanesulfonate (PFNS-K) Ammonium nonadecafluorononanesulphonate (PFNS-NH4) Perfluoroundecane sulfonic acid (PFUnDS) Perfluorododecane sulfonic acid (PFDoDS) Sodium perfluorododecanesulfonate (PFDoDS-Na) Perfluorotridecane sulfonic acid (PFTrDS) Sodium perfluorotridecanesulfonate (PFTrDS-Na) 10:2 Fluortelomerphosphatediester (10:2 diPAP) Perfluorodecyl iodide (PFDI) Perfluorododecyl iodide (PFDoDI) 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) 2H,2H Perfluorodecane Acid (H2PFDA / 8:2 FTCA) Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4) 1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP) Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na) 1H,1H,2H-Heptadecafluoro-1-decene (PFDE)

●			その他の共通市場要件*に基づき Sum of PFHxS and its salts: 0.025 mg/kg として新規追加 Benzyltriphenylphosphanium tridecafluorohexane-1-sulfonate (PFHxS-BTPP) N,N,N-Tributylbutan-1-aminium tridecafluorohexane-1-sulfonate Tetraethylammonium perfluorohexane sulfonate Tridecafluorohexane-1-sulfonic acid-pyrrolidine 4-{[4-(Diethylamino)phenyl][4-(ethylamino)naphthalen-1-yl]methylidene}-N,N-diethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate 4-{[4-(Dimethylamino)phenyl][4-(ethylamino)naphthalen-1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate 4-{[4-(Dimethylamino)phenyl][4-(phenylamino)naphthalen-1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate Triphenylsulfanium tridecafluorohexane-1-sulfonate (TPS-PFHxS) 1-(Carboxymethyl)-4-(2-{4-[4-(2,2-diphenylethenyl)phenyl]-1H,2H,3H,3aH,4H,8bH-cyclopenta[b]indol-7-yl}ethenyl)quinolin-1-ium tridecafluorohexane-1-sulfonate Diphenyliodanium tridecafluorohexane-1-sulfonate Tetramethylammonium perfluorohexane sulfonate (PFHxS-TMA) Tert-butylazanium;1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate Bis(4-tert-butylphenyl)iodanium tridecafluorohexane-1-sulfonate Bis(4-methylphenyl)(phenyl)sulfanium tridecafluorohexane-1-sulfonate Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with perfluorohexanesulfonic acid (1:2) Perfluorohexanesulfonic acid, Gallium(3+) salt (3:1) (PFHxS-Ga) Perfluorohexanesulfonic acid, Scandium(3+) salt (3:1) (PFHxS-Sc) Perfluorohexanesulfonic acid, Neodymium(3+) salt (3:1) (PFHxS-Nd) Perfluorohexanesulfonic acid, Yttrium(3+) salt (3:1)

			(PFHxS-Y) Cesium perfluorohexanesulfonate (PFHxS-Cs) Perfluorohexanesulfonic acid, Zinc salt (PFHxS-Zn) Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, perfluorohexanesulfonate (1:1) Tris(4-tert-butylphenyl)sulfanium tridecafluorohexane-1-sulfonate Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) Triethylammonium perfluorohexane sulfonate Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with perfluorohexanesulfonic acid (1:1) (4-Methylphenyl)diphenylsulfanium tridecafluorohexane-1-sulfonate {4-[(2-Methylprop-2-enoyl)oxy]phenyl}diphenylsulfanium tridecafluorohexane-1-sulfonate Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) Perfluorohexylsulfonyl fluoride (PFHxS-F) Perfluorohexylsulfonyl chloride (PFHxS-Cl)
●			その他の共通市場要件*に基づき Sum of PFHxS related substances: 1 mg/kg として新規追加 "N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N-AP-FHxSA)" "2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA)" 2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE) Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-
●			その他の共通市場要件*に基づき 0.25 mg/kg として新規追加 Sodium perfluorobutanoate (PFBA-Na) Potassium heptafluorobutanoate (PFBA-K) Ammonium perfluorobutanoate (PFBA-NH4) Silver perfluorobutanoate (PFBA-Ag) Lithium perfluorobutanoate (PFBA-Li) Sodium perfluorobutanesulfonate (PFBS-Na) Lithium perfluorobutanesulfonate (PFBS-Li) Ammonium perfluorobutanesulfonate (PFBS-NH4) Magnesium perfluorobutanesulfonate (PFBS-Mg) Triphenylsulfonium perfluorobutanesulfonate (TPS-PFBS)

				Tetrabutyl-phosphonium perfluorobutanesulfonate N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate N-Morpholinium perfluorobutanesulfonate Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1) Perfluorobutanesulfonyl fluoride (PFBS-F) Perfluorobutanesulphonyl chloride (PFBS-Cl) Sulfonium, dimethylphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) Thiophenium, 1-(4-butoxy-1-naphthalenyl)tetrahydro-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) Sodium perfluoropentanoate (PFPeA-Na) Potasium perfluoropentanoate (PFPeA-K) Ammonium perfluoropentanoate (PFPeA-NH4) Lithium perfluoropentanoate (PFPeA-Li) Silver perfluoropentanoate (PFPeA-Ag) Sodium perfluorohexanoate (PFHxA-Na) Potassium perfluorohexanoate (PFHxA-K) Perfluorohexanoyl fluoride (PFHxA-F) Silver perfluorohexanoate (PFHxA-Ag) Lithium perfluorohexanoate (PFHxA-Li) Caesium perfluoroheptanoate (PFHpA-Cs) Silver perfluoroheptanoate (PFHpA-Ag) Lithium perfluoroheptanoate (PFHpA-Li) Ammonium perfluoroheptanesulfonate (PFHpS-NH4) Lithium perfluoroheptanesulfonate (PFHpS-Li) Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na) Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH4) "6:2 Fluorotelomer sulfonate sodium salt (6:2 FTS-Na)" "6:2 Fluorotelomer sulfonate potassium salt (6:2 FTS-K)" 6:2 Fluorotelomer sulfonate ammonium salt (6:2 FTS-NH4) 1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, barium salt (2:1) (6:2 FTS-Ba)
	●			その他の共通市場要件*に基づき Information only として新規追加 Sodium perfluoropentanesulfonate (PFPeS-Na) Potassium perfluoropentane-1-sulphonate (PFPeS-K) Ammonium perfluoropentanesulfonate (PFPeS-NH4) 1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt (4:2 FTS-Na) Perfluoropentadecanoic Acid (PFPeDA) 1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA) 2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC) Perfluorooctyl triethoxysilane (POTS) 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2

				FTI) Perfluorobutane sulfon amides 1,1,2,2,3,3,4,4,4-Nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulfonamide "11H-Perfluoroundecanoic acid (11H-PFUnDA)" Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-K) Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-NH4)
8a. Halogenated solvents / VOCs		●	No-baby : Sum with other VOCs: 1000 mg/kg	Oeko-tex に基づき baby:1 mg/kg (each)、Sum of the chlorinated solvents :5 mg/kg (2024 is a transition period)を追加 1,2-Dichloroethane 1,1-Dichloroethene Trichloromethane (Chloroform) 1,1,1-Trichloroethane Carbon tetrachloride Trichloroethene (Trichloroethylene) 1,1,2-Trichloroethane 1,1,1,2-Tetrachloroethane Tetrachloroethene (PERC) 1,1,2,2-Tetrachloroethane Pentachloroethane
		●	基準値設定なし	Oeko-tex に基づき baby:1 mg/kg (each)、Sum of the chlorinated solvents :5 mg/kg (2024 is a transition period)に設定 Methylene chloride cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,1-Dichloroethane
		●	基準値設定なし	Oeko-tex に基づき Baby:10 mg/kg (2024 is a transition period)に設定 1,2,3-trichloropropane 1,2-diethoxyethane
8b. Other Solvents		●	5 mg/kg	Oeko-tex に基づき Baby:1 mg/kg を追加 Benzene
	●			Oeko-tex に基づき、Baby:10 mg/kg として新規追加 1,4-dioxane
		●	Sum with other VOCs: 1000 mg/kg	Oeko-tex に基づき、Baby:10 mg/kg を追加 Toluene Ethylbenzene Xylene Cyclohexanone

		●	500 mg/kg	Oeko-tex に基づき、Baby:10 mg/kg を追加 Styrene
		●	基準値設定なし	Oeko-tex に基づき、Baby:10 mg/kg として設定 o-cresol m-cresol p-cresol
		●	50 mg/kg	Oeko-tex に基づき、Baby:10 mg/kg を追加 Acetophenone
12. Glycols		●	基準値設定なし	Oeko-tex に基づき、Baby:10 mg/kg として設定 Bis(2-methoxyethyl)-ether; 2-methoxyethanol; 2-methoxyethylacetate; Ethylene glycol dimethyl ether / 1,2-dimethoxyethane 2-ethoxyethanol; 2-ethoxyethyl acetate; 2-methoxypropylacetate; 2-methoxypropanol "1,2-bis(2-methoxyethoxy)ethane Triethylene glycol dimethyl ether (TEGDME)"
14. Pesticides	●			AFIRM に基づき non-baby: 0.5 mg/kg として新規追加 Hexabromobiphenyl
17. Others		●	Information only	AFIRM に基づき 1000 mg/kg に設定 Bisphenol F
	●			Oeko-tex に基づき Baby : 1000 mg/kg として新規追加 Bis(4-chlorophenyl)sulphone Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide Melamine
	●			Oeko-tex に基づき baby:10 mg/kg(2024 is a transition period)として新規追加 Methylethylketone
19. pH value		●	Textile: 4.0-7.5 Leather: 3.2-4.5	AFIRM に基づき Leather の基準値を Chrome-tanned:3.2 – 5.5、Other:3.5 – 7.5 に変更
26. Endocrine Disrupting Chemicals	●			French AGEC Law に基づき 1000 mg/kg として新規追加 1,3-Benzenediol Mancozeb cholecalciferol

目次

はじめに

ファーストリテイリングは 2013 年、商品や生産プロセスにおける有害化学物質の排出をゼロにすることにコミットしました。 このコミットメントを遂行するために、ファーストリテイリングは未然防止[1]と予防原則[2]に基づき、有害化学物質の排出ゼロをめざし、お客様、工場従業員、調達パートナー、および自然環境を守ります。

当社は、最終商品に含まれる可能性のある有害物質に対処することが非常に重要であると認識しています。ファーストリテイリングは、有害化学物質として識別され、商品に含まれる可能性がある物質の基準値と制限を定義する製品制限物質リスト（PRSL：Product Restricted Substances List）を作成しました。

方法論

ファーストリテイリング PRSL の目的は、法規制により禁止または制限された、あるいは環境、健康、または安全にリスクが認められるためにファーストリテイリングによって自主的に段階的廃絶をすすめる化学物質を明示したリストをサプライヤーに提供することです。本リストには、ファーストリテイリングの有害物質排出ゼロへのコミットメントで言及している 11 の優先化学物質群だけでなく、Oeko-Tex 100、AFIRM などの基準ならびに業界の専門家の評価を総合して特定した物質も含まれます。

本リストは、これらの化学物質の有害性クラスと想定される使用法に応じて決定される最終商品中の基準値、ならびに試験方法とその報告限界値を定義します。各基準値は、特に明記されていない限り、商品の均質部品に有効です。PRSL は少なくとも年 1 回見直されます。

ファーストリテイリング PRSL は、アパレルやフットウエアの製造に関わる下請け業者や工場、素材サプライヤーに伝達されるものとします。

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[1] 未然防止は、解決策がエンドオブパイプの対策やリスク管理ではなく、発生源での使用の廃絶に重点が置かれるべきであることを意味します。危険有害ではない化学物質への代替、または必要であれば製品の設計そのものや化学物質が機能的に必要かどうかといった再評価を通して、化学物質を使わない代替案を見つけることが求められます。

[2] 予防原則は、物質（または活動）と悪影響の因果関係について決定的な科学的証拠が示されるのを待たずに、予防的措置を取ることを意味します。いくつかの危険化学物質はそれを受け入れる側の環境によって無害にすることはできないため（すなわち、「環境的に許容される」/「安全な」使用または排出レベルがない）、完全な科学的根拠がなくても、潜在的に重大または不可逆的な悪影響の防止が必要であるという仮定に基づきます。

適用範囲

- アパレル：体を守る、覆う、または飾ることを目的とした、衣類のこと。
- フットウエア：足を守る、覆う、または快適性を求めることを目的とした、耐久性のあるカバーのこと。
- アクセサリー：持ち運ぶか、着用することで、アパレルを補足することを目的に作られた製品。
- ジュエリー：指輪、ネックレス、イヤリング、ペンダント、ブレスレット、カフスボタンなどの、個人が装飾のために身に着ける小さな製品。身体もしくは衣服に付けられる。
- ホームテキスタイル：家の中で、機能的または装飾的目的のために作られた製品。
- 附属/副資材

用語の定義

化学物質:

化学物質とは、自然状態で存在する、もしくは製造工程で得られる化学元素およびその化合物です。

有害化学物質:

有害化学物質とは、本質的に有害な特性を示すものを意味します。難分解性で高蓄積性および毒性を有する物質（PBT）、極めて難分解性、高い生体蓄積性を有する物質（vPvB）、発がん性、変異原性、または生殖毒性を有する物質（CMR）、内分泌攪乱化学物質（ED）、または他の同等の懸念を有する物質が含まれます。これらは地域で規制または制限されているものだけに限りません。

均質部品：

全体にわたって均一な組成、つまり機械的に分解して異なる材料にできない材料。

意図的使用の禁止（*No intentional use*）：

意図的使用の禁止とは、MRSL に記載された化学物質または物質のグループが、素材または商品の製造において、特定の機能または効果を達成するために使用されてはならないことを示します。化学製剤中には製造中に生じる不純物が存在するため、制限物質の残留が微量であれば許容されます。基準値を超える制限物質を含む化学製剤は、ファーストリテイリング MRSL に準拠していないことになります。

***CAS*（*Chemical Abstracts Service*）*Number*:**

化学物質の識別番号。ファーストリテイリング MRSL 上の化学物質は通常 CAS Number とともに記載されますが、個別の識別番号をすべてリストすることが実用的ではない物質群については、CAS Number を表示しない場合もあります。

報告限界値：

正確かつ堅牢なデータを報告できる最も低い値を表します。

***n.d.(Not detected)*:**

報告限界値を下回った場合、そのパラメータは n.d.（不検出）と見なされます。逆に、報告限界値を超える場合、パラメータは検出されたとみなされます。

附属/副資材:

包装資材を除く、全ての製品取付け資材類（縫製糸、ボタン、芯地、裏地、ファスナー、ネーム、ケアラベル等）。

一般要求事項

これらの物質は、この Requirements（要求事項）を超える濃度で最終商品のコンポーネントまたは材料に存在してはなりません。Requirements はファーストリテイリンググループとして満たす必要のある最低要件を示します。推奨する試験方法とその報告限界値を記載していますが、試験による検証については、ファーストリテイリンググループの各ブランドが提供する試験プログラムに従うことが求められます。

AFIRM RSL の欄に'Yes'がマークされている物質は、AFIRM RSL に含まれる物質です。
各制限物質に関する詳細情報とガイダンスは、AFIRM 化学物質情報シートから入手できます。どのような化学品に含まれるか、どのような工程で使用されるか、なぜ制限されているのか、より安全な代替物質は何か、といった情報が含まれます。RSL の遵守、RSL 不合格への対処法、その他のオンライン教育リソースに関する情報は、AFIRM Group ChemistryToolkit から入手できます。

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		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 materialsr: 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		

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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 AP & APEO: 100 mg/kg Leather: BP: 1000 mg/kg	NP, OP, PP, HP, BP, : 3 mg/kg		
Octylphenol monoethoxylates, OP1EO	-	Textile:Sum of AP & APEO: 100 mg/kg Leather: Sum of AP & APEO(except BP): 100 mg/kg	NPEO, OPEO: 1 mg/kg	APEO Non-leather: ISO 18254-1：2016 with determination of APEO Leather: ~~ISO 18218-1~~ 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	
Octylphenolethoxylates, n=2 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		yes
Nonylphenol monoethoxylates, NP1EO	-	Textile:Sum of AP & APEO: 100 mg/kg Leather: Sum of AP & APEO(except BP): 100 mg/kg	NPEO, OPEO: 1 mg/kg		
Nonylphenolethoxylates, n=2 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)					

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Butyl benzyl Phthalate (BBP)	85-68-7	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	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	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	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	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	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	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	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	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	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	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	500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
D-inonyl 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	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	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	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	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	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	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	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	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	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	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	500 mg/kg (each) 1000 mg/kg (sum)	50 mg/kg	CPSC-CH-C1001-09.4 With GC-MS analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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
3a. Brominated Flame retardants					
Polybrominated biphenyls (PBBs)	59536-65-1 various	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	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	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	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	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	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	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Heptabromo biphenyls (HeptaBB)	-	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	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	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	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	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Polybrominated diphenyl ethers (PBDEs)	various	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Monobromo diphenyl ethers (MonoBDE)	various	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Dibromo diphenyl ethers (DiBDE)	various	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
Tribromo diphenyl ethers (TriBDE)	various	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Tetrabromo diphenyl ethers (TetraBDE)	40088-47-9	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	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	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	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	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	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	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	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	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6	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	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: 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	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	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	
3b. Phosphorus Flame retardants					
Tris (2-Chloroethyl) Phosphate (TCEP)	115-96-8	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	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	n.d.	5 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Trixylyl phosphate (TXP)	25155-23-1	n.d.	Baby: +L9+L107 mg/kg	Solvent Extraction With GC-MS, GC-ECD, LC-MS or ICP-OES Analysis	yes
3c. Other Flame retardants					
Diboron trioxide	1303-86-2	Baby: n.d.	5 mg/kg	Acid digestion With ICP-MS analysis	
Boric acid	10043-35-3, 11113-50-1	Baby: n.d.	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: n.d.	5 mg/kg	Acid digestion With ICP-MS analysis	
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Baby: n.d.	5 mg/kg	Acid digestion With ICP-MS analysis	
Disodium octaborate	12008-41-2	Baby: n.d.	5 mg/kg	Acid digestion With ICP-MS analysis	
Zinc borate salts	1332-07-6	Baby: n.d.	5 mg/kg	Acid digestionWith ICP-MS analysis	
Barium diboron tetraoxide	13701-59-2	Baby: 10 mg/kg	10 mg/kg	Acid digestion With ICP- OES analysis	
4a. Azo dyes					
4-Aminobiphenyl	92-67-1	20 mg/kg	5 mg/kg	Textile: EN ISO 14362-1:2017 EN ISO 14362-3:2017 Leather: ISO 17234-1: 2020 ISO 17234-2: 2011	yes
Benzidine	92-87-5	20 mg/kg			yes
4-Chloro-o-toluidine	95-69-2	20 mg/kg			yes
2-Naphtylamine	91-59-8	20 mg/kg			yes
o-Aminoazotoluene	97-56-3	20 mg/kg			yes
5-Nitro-o-toluidine	99-55-8	20 mg/kg			yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
4-Chloroaniline	106-47-8	20 mg/kg		With GC-MS / LC-DAD analysis	yes
2,4-Diaminoanisole	615-05-4	20 mg/kg			yes
4,4'-Diaminodiphenylmethane	101-77-9	20 mg/kg			yes
3,3'-Dichlorobenzidine	91-94-1	20 mg/kg			yes
3,3'-Dimethoxybenzidine	119-90-4	20 mg/kg			yes
3,3'-Dimethylbenzidine	119-93-7	20 mg/kg			yes
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	20 mg/kg			yes
p-Cresidine	120-71-8	20 mg/kg			yes
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	20 mg/kg			yes
4,4'-Oxydianiline	101-80-4	20 mg/kg			yes
4,4'-Thiodianiline	139-65-1	20 mg/kg			yes
o-Toluidine	95-53-4	20 mg/kg			yes
2,4-Toluenediamine	95-80-7	20 mg/kg			yes
2,4,5-Trimethylaniline	137-17-7	20 mg/kg			yes
o-Anisidine	90-04-0	20 mg/kg			yes
Aminoazobenzene	60-09-3	20 mg/kg			yes
2,4-Xylidine	95-68-1	20 mg/kg			yes
2,6-Xylidine	87-62-7	20 mg/kg			yes
Aniline	62-53-3	Baby : Non-leather: 20 mg/kg Leather: 100 mg/kg	5 mg/kg	Textile: EN ISO 14362-1:2017 EN ISO 14362-3:2017 Leather: ISO 17234-1:2020 ISO 17234-2: 2011 With GC-MS / LC-DAD analysis	
4-chloro-o-toluidinium chloride	3165-93-3	20 mg/kg	5 mg/kg	Textile: EN ISO 14362-1:2017	yes
2-Naphthylammoniumacetate	553-00-4	20 mg/kg			yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	20 mg/kg		EN ISO 14362-3:2017 Leather: ISO 17234-1: 2020 ISO 17234-2: 2011 With GC-MS / LC-DAD analysis	yes
2,4,5-trimethylaniline hydrochloride	21436-97-5	20 mg/kg			yes
2-methyl-p-phenylendiamine/2,5-Diaminotoluene	95-70-5	Baby: 20 mg/kg	5 mg/kg	Textile: EN ISO 14362-1:2017 EN ISO 14362-3:2017 Leather: ISO 17234-1: 2020 ISO 17234-2: 2011 With GC-MS / LC-DAD analysis	
3,3'-diaminobenzidine	91-95-2	Baby: 20 mg/kg	5 mg/kg	Textile: EN ISO 14362-1:2017 EN ISO 14362-3:2017 Leather: ISO 17234-1: 2020 ISO 17234-2: 2011 With GC-MS / LC-DAD analysis	
p-phenetidine	156-43-4	Baby: 20 mg/kg	5 mg/kg	Textile: EN ISO 14362-1:2017 EN ISO 14362-3:2017 Leather: ISO 17234-1: 2020 ISO 17234-2: 2011 With GC-MS / LC-DAD analysis	
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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
4d. Disperse & Carcinogenic Dyes					
Acid Red 26	3761-53-3	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Acid Red 114	6459-94-5	Baby: 50 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	
Basic Blue 26	2580-56-5	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Basic Green 4 (malachite green chloride)	569-64-2	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Basic Green 4 (malachite green oxalate)	2437-29-8	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Basic Green 4 (malachite green)	10309-95-2	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Basic Red 9	569-61-9	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Basic Violet 3	548-62-9	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Basic Violet 14	632-99-5	30 mg/kg	15 mg/kg	DIN 54231 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 With HPLC-DAD-MSD analysis	
Direct Black 38	1937-37-7	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Direct Blue 6	2602-46-2	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Direct Blue 15	2429-74-5	Baby: 50 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	
Direct Brown 95	16071-86-6	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Direct Red 28	573-58-0	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Blue 1	2475-45-8	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Blue 3	2475-46-9	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Blue 7	3179-90-6	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Blue 26	3860-63-7	30 mg/kg	15 mg/kg	DIN 54231 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 With HPLC-DAD-MSD analysis	yes
Disperse Blue 102	12222-97-8	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Blue 106	12223-01-7	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Disperse Blue 124	61951-51-7	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Brown 1	23355-64-8	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Orange 1	2581-69-3	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Orange 3	730-40-5	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Orange 11	82-28-0	30 mg/kg	15 mg/kg	DIN 54231 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 With HPLC-DAD-MSD analysis	yes
Disperse Orange 149	85136-74-9	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Red 1	2872-52-8	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Red 11	2872-48-2	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Red 17	3179-89-3	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Red 151	61968-47-6	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Disperse Yellow 1	119-15-3	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 3	2832-40-8	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 7	6300-37-4	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 9	6373-73-5	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 23	6250-23-3	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 39	12236-29-2	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 49	54824-37-2	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Disperse Yellow 56	54077-16-6	30 mg/kg	15 mg/kg	DIN 54231 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 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 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 With HPLC-DAD-MSD analysis	
Pigment Red 104 (Lead chromate molybdate sulphate red)	12656-85-8	Baby: 50 mg/kg	15 mg/kg	Acid Digestion With ICP-MS and UV-	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				VIS for C.I. pigments analysis	
Pigment Yellow 34 (Lead sulfochromate yellow)	1344-37-2	Baby: 50 mg/kg	15 mg/kg	Acid Digestion With ICP-MS and UV-VIS for C.I. pigments analysis	
Solvent Blue 4	6786-83-0	30 mg/kg	15 mg/kg	DIN 54231With HPLC-DAD-MSD analysis	yes
Solvent Yellow 1	60-09-3	Baby: 50 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	
Solvent Yellow 2 (4-Dimethylaminoazobenzene)	60-11-7	30 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	yes
Solvent Yellow 3	97-56-3	Baby: 50 mg/kg	15 mg/kg	DIN 54231 With HPLC-DAD-MSD analysis	
5. Organotin Compounds					
Dibutyltin, DBT	H based: 1002-53-5, Cl based: 683-18-1	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Dimethyltin, DMT	Cl based: 753-73-1	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Dioctyltin, DOT	H based: 94410-05-6, Cl based: 3542-36-7	1 mg/kg	0.05 mg/kg	ISO/TS 16179	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	yes
Dipropyltin, DPT	Various	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Monobutyltin, MBT	H based: 78763-54-9, Cl based: 1118-46-3	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Monomethyltin, MMT	Various, including 993-16-8	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Monooctyltin, MOT	H based: 15231-57-9, Cl based: 3091-25-6	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Monophenyltin, MPhT	Cl based: 1124-19-2	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Tetrabutyltin, TeBT	1461-25-2	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Tetraethyltin, TeET	597-64-8	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Tetraoctyltin, TeOT	Various	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Tributyltin, TBT	H based 36643-28-4, Cl complex: 56573-85-4, Cl based: 1461-22-9	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Tricyclohexyltin, TCyHT	H based: 6056-50-4 Cl based: 3091-32-5	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Trimethyltin, TMT	Cl based: 1066-45-1	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Trioctyltin, TOT	-	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Triphenyltin, TPhT	H based: 892-20-6, Cl based: 639-58-7 ion: 668-34-8	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes
Tripropyltin, TPT	H based: 761-44-4 Cl based: 2279-76-7	1 mg/kg	0.05 mg/kg	ISO/TS 16179	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
6a. PFCs					
Perfluorooctanoic acid (PFOA) and its salts	335-67-1	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	Sum of PFOA and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
PFOA-related substances	various	Sum of PFOA related substances: 1 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
2-Perfluorooctylethanol (8:2 FTOH)	678-39-7	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
1H,1H,2H,2H-Perfluorodecanesulphonic acid (8:2 FTS)	39108-34-4	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)	27619-96-1	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)	438237-73-1	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)	149724-40-3	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Perfluorooctane iodide (PFOI)	507-63-1	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
2H,2H Perfluorodecane Acid (H2PFDA / 8:2 FTCA)	27854-31-5 / 882489-14-7	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi($OC_2H_5)_3$)	101947-16-4	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)	678-41-1	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)	114519-85-6	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2H,2H,3H,3H-Perfluoroundecanoic Acid (H_4PFUnDA / 8:3 FTCA)	34598-33-9	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H-Heptadecafluoro-1-decene (PFDE)	21652-58-4	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	Sum of PFOA related substances: 1 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroctane sulfonate (PFOS)	1763-23-1	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH4)	29081-56-9	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctanesulfonic acid, tetraethylammomium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctane sulfonamide (PFOSA)	754-91-6	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorooctane sulfonfluoride (PFOSF)	307-35-7	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
N-Ethylperfluoro-1-octanesulfonamide (N -Et-FOSA)	4151-50-2	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Didecyldimethylammonium perfluorooctane sulfonate (PFOS-N($C_{10}H_{21}$)$_2$(CH_3)$_2$)	251099-16-8	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Magnesium bis(heptadecafluoro octanesulphonate) (PFOS-Mg)	91036-71-4	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6	Sum of PFOS and its derivatives : 1 µg/m2	1 ug/m^2	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
C9-C14 PFCAs and their salts	various	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorononanonic acid (PFNA)	375-95-1	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Sodium Perfluorononanoate (PFNA-Na)	21049-39-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium Perfluorononanoate (PFNA-NH4)	4149-60-4	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium perfluorononanoate (PFNA-K)	21049-38-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Lithium perfluorononanoate (PFNA-Li)	60871-92-3	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Silver perfluorononanoate (PFNA-Ag)	7358-16-9	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorododecanoic acid (PFDA)	335-76-2	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Sodium Perfluorodecanoate (PFDA-Na)	3830-45-3	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorodecanoate ammonium salt (PFDA-NH_4 / APFDA)	3108-42-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium perfluorodecanoate (PFDA-K)	51604-85-4	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Henicosafluoroundecanoic acid (PFUdA / PFUnA)	2058-94-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes

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Sodium perfluoroundecanoate (PFUnDA-Na)	60871-96-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium perfluoroundecanoate (PFUnDA-NH4)	4234-23-5	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tricosafluorododecanoic acid PFDoDA	307-55-1	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Ammonium Perfluorododecanoate (PFDoDA-NH_4)	3793-74-6	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluorododecanoate (PFDoDA-Na)	60872-01-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Pentacosafluorotridecanoic acid (PFTrDA)	72629-94-8	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Ammonium perfluorotridecanoate (PFTrDA-NH4)	4288-72-6	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Component / Materials in Finished Product			
Heptacosafluorotetradecanoic acid (PFTeDA)	376-06-7	Sum of C9-C14 PFCAs and their salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluor+B268:K290+B277:D290o-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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
C9-C14 PFCA related substances	various	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorodecane sulfonic acid (PFDS)	335-77-3	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium Perfluorodecanesulfonate (PFDS-Na)	2806-15-7	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium Perfluorodecanesulfonate (PFDS-K)	2806-16-8	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium Perfluorodecanesulfonate (PFDS-NH_4)	67906-42-7	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes

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		Component / Materials in Finished Product			
Perfluorononane sulfonic acid (PFNS)	68259-12-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluorononanesulfonate (PFNS-Na)	98789-57-2	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium perfluorononanesulfonate (PFNS-K)	29359-39-5	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium nonadecafluorononanesulphonate (PFNS-NH_4)	17202-41-4	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1 / 441296-91-9 (anion)	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorododecane sulfonic acid (PFDoDS)	79780-39-5	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluorododecanesulfonate (PFDoDS-Na)	1260224-54-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluorotridecanesulfonate (PFTrDS-Na)	174675-49-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Component / Materials in Finished Product			
10:2 Fluortelomerphosphatediester (10:2 diPAP)	1895-26-7	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorodecyl iodide (PFDI)	423-62-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorododecyl iodide (PFDoDI)	307-60-8	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2H,2H Perfluorodecane Acid (H2PFDA / 8:2 FTCA)	27854-31-5 / 882489-14-7	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)	678-41-1	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)	114519-85-6	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H-Heptadecafluoro-1-decene (PFDE)	21652-58-4	Sum of C9-C14 PFCA related substances: 0.26 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexane sulfonate (PFHxS)	355-46-4	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorohexanesulfonic acid, sodium salt (PFHxS-Na)	82382-12-5	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorohexanesulfonic acid, potassium salt (PFHxS-K)	3871-99-6	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Benzyltriphenylphosphanium tridecafluorohexane-1-sulfonate (PFHxS-BTPP)	1000597-52-3	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
N,N,N-Tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	108427-54-9	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Component / Materials in Finished Product			
Tetraethylammonium perfluorohexane sulfonate	108427-55-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tridecafluorohexane-1-sulfonic acid-pyrrolidine	1187817-57-7	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
4-{[4-(Diethylamino)phenyl][4-(ethylamino)naphthalen-1-yl]methylidene}-N,N-diethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-24-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
4-{[4-(Dimethylamino)phenyl][4-(ethylamino)naphthalen-1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-27-3	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
4-{[4-(Dimethylamino)phenyl][4-(phenylamino)naphthalen-1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-28-4	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	1329995-45-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	1329995-69-8	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Triphenylsulfanium tridecafluorohexane-1-sulfonate (TPS-PFHxS)	144116-10-9	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 &	

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				17681-2:2022 for all types of materials	
1-(Carboxymethyl)-4-(2-{4-[4-(2,2-diphenylethenyl)phenyl]-1H,2H,3H,3aH,4H,8bH-cyclopenta[b]indol-7-yl}ethenyl)quinolin-1-ium tridecafluorohexane-1-sulfonate	1462414-59-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Diphenyliodanium tridecafluorohexane-1-sulfonate	153443-35-7	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tetramethylammonium perfluorohexane sulfonate (PFHxS-TMA)	189274-31-5	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tert-butylazanium;1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	202189-84-2	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl) oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Bis(4-tert-butylphenyl)iodanium tridecafluorohexane-1-sulfonate	213740-81-9	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Bis(4-methylphenyl)(phenyl)sulfanium tridecafluorohexane-1-sulfonate	341548-85-4	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with perfluorohexanesulfonic acid (1:2)	421555-73-9	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 &	

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				17681-2:2022 for all types of materials	
Perfluorohexanesulfonic acid, Gallium(3+) salt (3:1) (PFHxS-Ga)	341035-71-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexanesulfonic acid, Scandium(3+) salt (3:1) (PFHxS-Sc)	350836-93-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexanesulfonic acid, Neodymium(3+) salt (3:1) (PFHxS-Nd)	41184-65-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexanesulfonic acid, Yttrium(3+) salt (3:1) (PFHxS-Y)	41242-12-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Cesium perfluorohexanesulfonate (PFHxS-Cs)	92011-17-1	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexanesulfonic acid, Zinc salt (PFHxS-Zn)	70136-72-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, perfluorohexanesulfonate (1:1)	421555-74-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tris(4-tert-butylphenyl)sulfanium tridecafluorohexane-1-sulfonate	425670-70-8	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 &	

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		Component / Materials in Finished Product			
				17681-2:2022 for all types of materials	
Triethylammonium perfluorohexane sulfonate	72033-41-1	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with perfluorohexanesulfonic acid (1:1)	866621-50-3	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
(4-Methylphenyl)diphenylsulfanium tridecafluorohexane-1-sulfonate	910606-39-2	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
{4-[(2-Methylprop-2-enoyl)oxy]phenyl}diphenylsulfanium tridecafluorohexane-1-sulfonate	911027-68-4	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexylsulfonyl fluoride (PFHxS-F)	423-50-7	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6	Sum of PFHxS and its salts: 0.025 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
PFHxS-related Substances	Various	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 &	yes

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				17681-2:2022 for all types of materials	
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	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA)	67584-57-0	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67584-61-6	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67906-70-1	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE)	68555-75-9	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	68957-32-4	Sum of PFHxS related substances: 1 mg/kg	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorobutanoic acid (PFBA)	375-22-4+~~C384~~	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 &	

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				17681-2:2022 for all types of materials	
Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium perfluorobutanoate (PFBA-NH4)	10495-86-0	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorobutane sulfonate (PFBS)	375-73-5	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorobutanesulfonic acid, potassium salt (PFBS-K)	29420-49-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Nonafluorobutanesulfonic acid hydrate (PFBS-H_2O)	59933-66-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium perfluorobutanesulfonate (PFBS-NH4)	68259-10-9	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Triphenylsulfonium perfluorobutanesulfonate (TPS-PFBS)	144317-44-2	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Tetrabutyl-phosphonium perfluorobutanesulfonate	220689-12-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	25628-08-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
N-Morpholinium perfluorobutanesulfonate	503155-89-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate	194999-85-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-18-2	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorobutanesulfonyl fluoride (PFBS-F)	375-72-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorobutanesulphonyl chloride (PFBS-Cl)	2991-84-6	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sulfonium, dimethylphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	220133-51-7	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Thiophenium, 1-(4-butoxy-1-naphthalenyl)tetrahydro-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	209482-18-8	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoropentane Acid (PFPeA)	2706-90-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluoropentanoate (PFPeA-Na)	2706-89-0	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potasium perfluoropentanoate (PFPeA-K)	336-23-2	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium perfluoropentanoate (PFPeA-NH4)	68259-11-0	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
Perfluorohexane acid, ammomium salt (PFHxA-NH4)	21615-47-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroheptanoic acid, sodium salt (PFHpA-Na)	20109-59-5	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroheptanoic acid, potassium salt (PFHpA-K)	21049-36-5	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroheptanoic acid, ammomium salt (PFHpA-NH4)	6130-43-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Caesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoroheptanesulfonic acid, sodium salt (PFHpS-Na)	21934-50-9	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Perfluoroheptanesulfonic acid, potassium salt (PFHpS-K)	60270-55-5	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium perfluoroheptanesulfonate (PFHpS-NH4)	68259-07-4	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
7H-Dodecanefluoroheptane Acid (7HPFHpA)	1546-95-8	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH4)	376-34-1	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
6:2 Fluorotelomer sulfonate sodium salt (6:2 FTS-Na)	27619-94-9	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
6:2 Fluorotelomer sulfonate potassium salt (6:2 FTS-K)	59587-38-1	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 &	

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		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				17681-2:2022 for all types of materials	
6:2 Fluorotelomer sulfonate ammonium salt (6:2 FTS-NH4)	59587-39-2	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, barium salt (2:1) (6:2 FTS-Ba)	1807944-82-6	0.25 mg/kg	0.01 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	0.25 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	0.25 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.25 mg/kg	0.1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	yes
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HPFO-DA)	13252-13-6	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, ammomium salt (HFPO-DA-NH_4)	62037-80-3	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, potassium salt (HFPO-DA-K)	67118-55-2	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Component / Materials in Finished Product			
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propanoyl fluoride (HFPO-DA-F)	2062-98-8	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorooctane sulfonamidoacetic acid (FOSAA)	2806-24-8	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
N-Methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
N-Ethylperfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Sodium perfluoropentanesulfonate (PFPeS-Na)	630402-22-1	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium perfluoropentanesulfonate (PFPeS-NH4)	68259-09-6	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 FTS)	757124-72-4	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Component / Materials in Finished Product			
1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt (4:2 FTS-Na)	27619-93-8	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Hexadecanoic acid, hentriacontafluoro- (PFHxDA)	67905-19-5	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Octadecanoic acid, pentatriacontafluoro- (PFODA)	16517-11-6	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

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		Component / Materials in Finished Product			
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluoropentadecanoic Acid (PFPeDA)	141074-63-7	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC)	423-82-5	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorooctyl triethoxysilane (POTS)	51851-37-7	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI)	2043-57-4	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Perfluorobutane sulfon amides	30334-69-1	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
1,1,2,2,3,3,4,4,4-Nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulfonamide	34454-97-2	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-K)	307-71-1	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-NH4)	5081-02-7	Information Only	1 mg/kg	EN ISO 23702-1 or EN 17681-1:2022 & 17681-2:2022 for all types of materials	
6b. PFAS					

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Total Organic Fluorine - As PFAS indicator	7782-41-4	50 mg/kg	50 mg/kg	Ref. to EN 14582:2016 or ASTM D7359 :2023	yes
7. COC (Chlorobenzenes/Chlorotoluenes)					
Chlorobenzene	108-90-7	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137	
Dichlorobenzenes	Various include 25321-22-6	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,2-Dichlorobenzene	95-50-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,3-Dichlorobenzene	541-73-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,4-Dichlorobenzene	106-46-7	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Trichlorobenzenes	Various include 12002-48-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,2,3-Trichlorobenzene,	87-61-6	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,2,4-Trichlorobenzene	120-82-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,3,5-Trichlorobenzene,	108-70-3	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Tetrachlorobenzenes	Various include 12408-10-5	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,2,3,4-Tetrachlorobenzene	634-66-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,2,3,5-Tetrachlorobenzene	634-90-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
1,2,4,5-Tetrachlorobenzene	95-94-3	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Pentachlorobenzene	608-93-5	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Hexachlorobenzene	118-74-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Chlorotoluene	Various include 25168-05-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2-Chlorotoluene	95-49-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
3-Chlorotoluene	108-41-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
4-Chlorotoluene	106-43-4	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Dichlorotoluene	Various include "29797-40-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,3-Dichlorotoluene	32768-54-0	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,4-Dichlorotoluene	95-73-8	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,5-Dichlorotoluene	19398-61-9	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,6-Dichlorotoluene	118-69-4	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
3,4-Dichlorotoluene	95-75-0	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
3,5-dichlorotoluene	25186-47-4	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137	
Trichlorotoluene	various	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,3,6-Trichlorotoluene	2077-46-5	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,4,5-Trichlorotoluene	6639-30-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,3,4-trichlorotoluene	7359-72-0	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137	
2,4,6-trichlorotoluene	23749-65-7	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137	
3,4,5-trichlorotoluene	21472-86-6	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137	
2,3,5-trichlorotoluene	56961-86-5	Baby: 1 mg/kg (sum)	0.1 mg/kg	EN 17137	
Tetrachlorotoluene	various	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,3,4,5-tetrachlorotoluene	76057-12-0	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,3,5,6-tetrachlorotoluene	1006-31-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
2,3,4,6-tetrachlorotoluene	875-40-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
Pentachlorotoluene	877-11-2	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
α,α,α,4-tetrachlorotoluene	5216-25-1	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
α,α,α-trichlorotoluene	98-07-7	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes
α-chlorotoluene	100-44-7	1 mg/kg (sum)	0.1 mg/kg	EN 17137	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
8a. Halogenated solvents / VOCs					
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: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
1,1-Dichloroethene	75-35-4	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Methylene chloride	75-09-2	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	
cis-1,2-Dichloroethene	156-59-2	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	
trans-1,2-Dichloroethene	156-60-5	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Trichloromethane (Chloroform)	67-66-3	baby:1 mg/kg(each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	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: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	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: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	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: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
1,1,1,2-Tetrachloroethane	630-20-6	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Tetrachloroethene (PERC)	127-18-4	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs: 1000 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
1,1-Dichloroethane	75-34-3	baby:1 mg/kg (each) Sum of the chlorinated solvents :5 mg/kg (2024 is a transition period)	1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS 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: 1000 mg/kg (2024 is a transition period)	1mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Pentachloroethane	76-01-7	baby:1 mg/kg(each) Sum of the chlorinated solvents :5 mg/kg No-baby：Sum with other VOCs: 1000	1 mg/kg	Solvent Extraction with GC-MS analysis or	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
		mg/kg (2024 is a transition period)		Headspace GC-MS analysis	
1,2,3-trichloropropane	96-18-4	Baby:10 mg/kg (2024 is a transition period)	1 mg/kg	Headspace GC-MS	
1,2-diethoxyethane	629-14-1	Baby:10 mg/kg (2024 is a transition period)	10 mg/kg	Solvent Extraction with GC-MS analysis	
8b. Other Solvents					
Benzene	71-43-2	Baby:1 mg/kg No-baby：5 mg/kg	1mg/kg	Benzene: Headspace GC-MS.	yes
N,N-dimethylformamide (N,N-DMF) / DMFa	68-12-2	500 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:2019 (textiles),ISO 16189:2021 (all other materials)	yes
N,N-dimethylacetamide (N,N-DMAC)	127-19-5	1000 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:2019 (textiles), ~~ISO/TS 16189:2013~~ ISO 16189:2021 (all other materials)	yes
1-methyl-2-pyrrolidone (NMP)	872-50-4	1000 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:2019 (textiles),ISO 16189:2021 (all other materials)	yes
1,4-dioxane	123-91-1	Baby:10 mg/kg	10 mg/kg	Analysis was performed by Headspace GC-MS	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Toluene	108-88-3	Baby:10 mg/kg No-baby:Sum with other VOCs: 1000 mg/kg	~~20~~ 1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Ethylbenzene	100-41-4	Baby:10 mg/kg No-baby:Sum with other VOCs: 1000 mg/kg	~~20~~ 1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Xylene	1330-20-7 (all isomers) 95-47-6, 106-42-3, 108-38-3	Baby:10 mg/kg No-baby:Sum with other VOCs: 1000 mg/kg	~~20~~ 1 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Styrene	100-42-5	Baby:10 mg/kg No-baby:500 mg/kg	~~5~~ 1 mg/kg	Extraction in Methanol GC/MS, sonication at 60° C for 60 minutes	yes
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	200 mg/kg	5 mg/kg	DMFa / DMAC / NMP/ Formamide : EN 17131:2019 (textiles), ISO 16189:2021 (all other materials)	yes
Carbon disulphide	75-15-0	Sum with other VOCs: 1000 mg/kg	20 mg/kg	Solvent Extraction with GC-MS analysis or	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
				Headspace GC-MS analysis	
Cyclohexanone	108-94-1	Baby:10 mg/kg No-baby:Sum with other VOCs: 1000 mg/kg	10 mg/kg	Solvent Extraction with GC-MS analysis or Headspace GC-MS analysis	yes
Acetophenone	98-86-2	Baby:10 mg/kg No-baby：50 mg/kg	5 mg/kg	Solvent Extraction With GC-MS analysis	yes
2-Phenyl-2-Propanol	617-94-7	Baby：10mg/kg No-baby:50 mg/kg	10 mg/kg	Solvent Extraction With GC-MS analysis	yes
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: baby 0.3 mg/kg non-baby 0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
Tetrachlorophenol (TeCP)	25167-83-3	Textile: baby Sum of TeCP: 0.05 mg/kg non-baby Sum of TeCP: 0.5 mg/kg Leather: Each TeCP: 0.5 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
2,3,4,5-Tetrachlorophenol	4901-51-3	Textile: baby Sum of TeCP: 0.05 mg/kg non-baby Sum of TeCP: 0.5 mg/kg Leather: 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 of TeCP: 0.5 mg/kg Leather: 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 of TeCP: 0.5 mg/kg Leather: 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	yes
DiChlorophenol (DiCP)	various	Textile: baby Sum of TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: baby Each TCP: 0.5 mg/kg non-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 Leather: 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
2,5-Dichlorophenol	583-78-8	Textile: baby Sum of TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	
3,4-Dichlorophenol	95-77-2	Textile: baby Sum of TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: 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 Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
Mono Chlorophenol	various	Textile: baby Sum of TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: 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 TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: 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 TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: 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 TCP: 0.05 mg/kg non-baby Sum of TCP: 0.5 mg/kg Leather: baby Each TCP: 0.5 mg/kg non-baby Each TCP: 1 mg/kg	0.05 mg/kg	EN 17134-2:2023	
10. Chlorinated Paraffins (SCCP / MCCP)					
Short Chain Chlorinated Paraffins (SCCP) with C10 – C13	85535-84-8	Baby: 50 mg/kg Non baby: 1000 mg/kg	50 mg/kg	Textiles: ISO 22818:2021 (SCCP +	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
Medium Chain Chlorinated Paraffins (MCCP) with C14 – C17	85535-85-9	Baby: 50 mg/kg Non baby: 1000 mg/kg	50 mg/kg	MCCP) Leather: ISO 18219-1:2021 (SCCP); ISO 18219-2:2021 (MCCP)	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 Leather: ISO 17072-2	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	1 mg/kg	0.1 mg/kg	Non-leather: EN 16711-1 Leather: ISO 17072-2	yes
Total Arsenic, As	7440-38-2	100 mg/kg	5 mg/kg	Non-leather: EN 16711-1 Leather: ISO 17072-2	yes
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 Others: EN 16711-2	yes
Extractable Antimony, Sb	7440-36-0	baby 30 mg/kg non-baby 30 mg/kg	1.0 mg/kg	Leather: ISO 17072-1 Others: EN 16711-2	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 Others: EN 16711-2	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
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 Others: EN 16711-2	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 Others: EN 16711-2	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 Others: EN 16711-2	yes
Extractable Copper, Cu	7440-50-8	baby 25 mg/kg non-baby 50 mg/kg	5.0 mg/kg	Leather: ISO 17072-1 Others: EN 16711-2	yes
Extractable Nickel, Ni	7440-02-0	baby 0.5 mg/kg non-baby 1.0 mg/kg	0.1 mg/kg	Leather: ISO 17072-1 Others: EN 16711-2	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 Others: EN 16711-2	yes
Extractable Selenium, Se	7782-49-2	baby 100 mg/kg non-baby 100 mg/kg	50 mg/kg	Leather: ISO 17072-1 Others: EN 16711-2	yes
Extractable Barium, Ba	7440-39-3	baby 1000 mg/kg non-baby 1000 mg/kg	100 mg/kg	Leather: ISO 17072-1 Others: EN 16711-2	yes
Extractable Chromium (VI), CrVI	18540-29-9	Textile: 0.5 mg/kg Leather: baby 0.5 mg/kg non-baby 3 mg/kg	0.5 mg/kg	Textile: EN 16711-2 Leather: ISO 17075-1 with aging confirmation by ISO 17075-2 Ageing condition: ISO 10195 method A2	yes
Heavy metal release - (Non-Jewelry)					

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
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 F2923:2020	yes
Total Cadmium, Cd	7440-43-9	Substrates, paints & coatings: Children: 40 mg/kg Adults: 75 mg/kg	5 mg/kg	ASTM F2923:2020	yes
Extractable HM (Jewelry)					
Extractable Antimony, Sb	7440-36-0	Paint & coatings: 60 ppm	5 mg/kg	ASTM F2923:2020	yes
Extractable Arsenic, As	7440-38-2	Paint & coatings: 25 ppm	5 mg/kg	ASTM F2923:2020	yes
Extractable Barium, Ba	7440-39-3	Paint & coatings: 1000 ppm	100 mg/kg	ASTM F2923:2020	yes
Extractable Chromium, Cr	7440-47-3	Paint & coatings: 60 ppm	5 mg/kg	ASTM F2923:2020	yes
Extractable Mecury, Hg	7439-97-6	Paint & coatings: 60 ppm	5 mg/kg	ASTM F2923:2020	yes
Extractable Selenium, Se	7782-49-2	Paint & coatings: 500 ppm	50 mg/kg	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
12. Glycols					
Bis(2-methoxyethyl)-ether;	111-96-6	Baby：10 mg/kg	5 mg/kg	in house method with GC-MS detection	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
2-methoxyethanol;	109-86-4	Baby：10 mg/kg	10 mg/kg	in house method with GC-MS detection	
2-methoxyethylacetate;	110-49-6	Baby：10 mg/kg	5 mg/kg	in house method with GC-MS detection	
Ethylene glycol dimethyl ether / 1,2-dimethoxyethane	110-71-4	Baby：10 mg/kg	5 mg/kg	in house method with GC-MS detection	
2-ethoxyethanol;	110-80-5	Baby：10 mg/kg	10 mg/kg	in house method with GC-MS detection	
2-ethoxyethyl acetate;	111-15-9	Baby：10 mg/kg	5 mg/kg	in house method with GC-MS detection	
2-methoxypropylacetate;	70657-70-4	Baby：10 mg/kg	10 mg/kg	in house method with GC-MS detection	
2-methoxypropanol	1589-47-5	Baby：10 mg/kg	10 mg/kg	in house method with GC-MS detection	
1,2-bis(2-methoxyethoxy)ethane Triethylene glycol dimethyl ether (TEGDME)	112-49-2	Baby：10 mg/kg	10 mg/kg	in house method with GC-MS detection	
13. PAHs					
Naphthalene	91-20-3	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 1mg/kg Sum of 18 PAHs: non-baby 10 mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
				Other products : AfPS GS 2019:01 PAK	
Acenaphthene	83-32-9	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
Fluorene	86-73-7	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
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 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
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 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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 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
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 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
Indeno[1,2,3-cd]pyrene	193-39-5	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
Benzo[ghi]perylene	191-24-2	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
Benzo-[a]-anthracene(BaA)	56-55-3	baby 0.2 mg/kg; non-baby 0.5 mg/kg Sum of 24 PAHs: baby 1mg/kg Sum of 24 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 0.2 mg/kg; non-baby 0.5 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Benzo-[a]-pyrene (BaP)	50-32-8	baby 0.2 mg/kg; non-baby 0.5 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
Dibenzo-[a,h]-anthracene (DBAhA)	53-70-3	baby 0.2 mg/kg; non-baby 0.5 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
Benzo-[b]-fluoranthene(BbFA)	205-99-2	baby 0.2 mg/kg; non-baby 0.5 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
Benzo-[k]-fluoranthene(BkFA)	207-08-9	baby 0.2 mg/kg; non-baby 0.5 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
Benzo-[e]-pyrene(BeP)	192-97-2	baby 0.2 mg/kg; non-baby 0.5 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
Benzo-[j]-fluoranthene(BjFA)	205-82-3	baby 0.2 mg/kg; non-baby 0.5 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
Cyclopenta[c,d]pyrene	27208-37-3	Baby: Sum of 24 PAHs: ~~baby~~ 1mg/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: ~~baby~~ 1mg/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: ~~baby~~ 1mg/kg	0.1 mg/kg	Footwear: ISO 16190:2021 Other products : AfPS GS 2019:01 PAK	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Dibenzo-[a,i]pyrene	189-55-9	Baby: Sum of 24 PAHs: ~~baby~~ 1mg/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: ~~baby~~ 1mg/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: ~~baby~~ 1mg/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: 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: 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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.	
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: 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
Azinophosethyl	2642-71-9	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.	yes
Azinophosmethyl	86-50-0	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.	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Bromophos-ethyl	4824-78-6	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.	yes
Captafol	2425-06-1	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
Carbaryl	63-25-2	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
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: 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Chlordimeform	6164-98-3	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.	yes
Chlorfenvinphos	470-90-6	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.	yes
Chlorbenzilat	510-15-6	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.	yes
Chlorthalonil	1897-45-6	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.	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.	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Coumaphos	56-72-4	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
Cyfluthrin	68359-37-5	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.	yes
Cyhalothrin	91465-08-6	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.	yes
Cypermethrin	52315-07-8	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
DDD	53-19-0, 72-54-8	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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
DDE	3424-82-6, 72-55-9	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.	yes
DDT	50-29-3, 789-02-6	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.	yes
DEF (S,S,S-Tributyl phosphorotrithioate (Tribufos))	78-48-8	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
Deltamethrin	52918-63-5	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.	yes
Diazinone	333-41-5	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.	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Dichlofluanid	1085-98-9	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.	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: 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: 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: 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Dieldrine	60-57-1	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
Dimethoate	60-51-5	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.	yes
Dinoseb and its salts	88-85-7	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.	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: 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Endosulfan	115-29-7	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.	yes
Endosulfan I (alpha)	959-98-8	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
Endosulfan II (beta)	33213-65-9	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.	yes
Endrine	72-20-8	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
Esfenvalerate	66230-04-4	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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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: 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 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-ECD, GC-NPD & HPLC-DAD-MSD.	yes
Heptachlor	76-44-8	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
Heptachloroepoxide	1024-57-3 28044-83-9	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.	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Hexabromobiphenyl	36355-01-8	non-baby: 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: 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: 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: 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: 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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: 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: 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: 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
Lindane	58-89-9	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.	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Malathion	121-75-5	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.	yes
MCPA	94-74-6	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.	yes
MCPB	94-81-5	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.	yes
Mecoprop	93-65-2	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
Methamidophos	10265-92-6	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.	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Methoxychlor	72-43-5	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.	yes
Mirex	2385-85-5	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.	yes
Monocrotophos	6923-22-4	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
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: 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Parathion-methyl	298-00-0	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.	yes
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
Perthane	72-56-0	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.	yes
Phosdrin/Mevinphos	7786-34-7	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.	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.	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Profenophos	41198-08-7	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.	yes
Propetamphos	31218-83-4	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
Quinalphos	13593-03-8	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
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.	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Strobane	8001-50-1	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
Telodrine	297-78-9	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.	yes
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.	
Timiperone	57648-21-2	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.	

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
Tolylfluanid	731-27-1	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
Toxaphene	8001-35-2	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
Trifluraline	1582-09-8	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
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: 16 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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				confirmation, alternatively EN ISO 17226-1:2021 can be used on its own	
16. Nitrosamines					
N-nitrosodimethylamine (NDMA)	62-75-9	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodiethylamine (NDEA)	55-18-5	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodipropylamine (NDPA)	621-64-7	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosodibutylamine (NDBA)	924-16-3	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosopiperidine (NPIP)	100-75-4	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosopyrrolidine (NPYR)	930-55-2	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitrosomorpholine (NMOR)	59-89-2	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with LC/MS/MS verification if positive	yes
N-nitroso-N-methylaniline (NMPhA)	614-00-6	0.5 mg/kg	0.5 mg/kg	EN ISO 19577:2019 with	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				LC/MS/MS verification if positive	
N-nitroso-N-ethylaniline	612-64-6	0.5 mg/kg	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	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	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	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	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	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	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

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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: ~~DIN 50009:2021~~ 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	1 mg/kg	0.1 mg/kg	All other materials:Extraction with THF, sonication at 60 °C for 60 min, analysis by LC/MS Leather: EN ISO 11936:2023	yes
Bisphenol-B	77-40-7	1000 mg/kg	1 mg/kg Leather: 10 ppm	All other materials:Extraction with THF, sonication at 60 oC for 60 min, analysis by LC/MS Leather: EN ISO 11936:2023	yes
Bisphenol S	80-09-1	1000 mg/kg	1 mg/kg Leather: 10 ppm	All other materials:Extraction with THF, sonication at 60 oC for 60 min, analysis by LC/MS Leather: EN ISO 11936:2023	yes
Bisphenol F	620-92-8	1000 mg/kg	1 mg/kg Leather: 10 ppm	All other materials:Extraction with THF, sonication at 60 oC for 60 min,	yes

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
				analysis by LC/MS Leather: EN ISO 11936:2023	
Bisphenol AF	1478-61-1	Information only	1 mg/kg Leather: 10 ppm	All other materials:Extraction with THF, sonication at 60 oC for 60 min, analysis by LC/MS Leather: EN ISO 11936:2023	
Phenol	108-95-2	Baby: 20 mg/kg	5 mg/kg	Solvent Extraction With HPLC-DAD analysis	
Vinyl Chloride	75-01-4	1 mg/kg	1 mg/kg	EN ISO 6401:~~2008~~ 2022	yes
Quinoline	91-22-5	50 mg/kg	10 mg/kg	DIN 54231	yes
Glutaraldehyde	111-30-8	Baby: Leather: 1000 mg/kg	50 mg/kg	Ref. to ISO 17226-1:2021	
2-Mercaptobenzothiazol (2-MBT)	149-30-4	Baby: 1000 mg/kg	100 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	
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	Baby：1000 mg/kg	100 mg/kg	Solvent Extraction With LC-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	
Methylethylketone	78-93-3	baby:10 mg/kg (2024 is a transition period)	10 mg/kg	Headspace	
19. pH value					

Parameter	CAS Number	FR PRSL 2024			AFIRM RSL 2024 v09
		Requirements	Reporting limits	Test Methods	
		Component / Materials in Finished Product			
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	1000 mg/kg	100 mg/kg	~~DIN EN 62321-6:2016-05~~ ~~ISO 24040:2022~~ ~~(Extraction with THF, analysis by GC/MS)~~ AFIRM method	yes
2-(2-hydroxy-3,5-di-t-butylphenyl)-5-chlorobenzotriazol (UV 327)	3864-99-1	1000 mg/kg			yes
2-(2-hydroxy-3-sec-butyl-5-tert-butylphenyl)benzotriazole (UV 350)	36437-37-3	1000 mg/kg			yes
2-(2-hydroxy-3,5-di-tert-pentylphenyl)benzotriazole (UV 328)	25973-55-1	1000 mg/kg			yes
Ethylhexyl Dimethoxybenzylidene Dioxoimidazolidine Propionate	6293-37-4	1000 mg/kg	100 mg/kg	In house method, GC-MS	
Diethylamino Hydroxybenzoyl Hexyl Benzoate	302776-68-7	1000 mg/kg			
Ethylhexyl Methoxycinnamate	5466-77-3	1000 mg/kg			
Benzophenone-3	131-57-7	1000 mg/kg			
Drometrizole	2440-22-4	Information only	100 mg/kg	In house method, GC-MS	
22. EU REACH SVHC					
See SVHC substance list	Various	1000 mg/kg	100 mg/kg	Screening method	
23. Siloxanes					
Octamethylcyclotetrasiloxane (D4)	556-67-2	baby: 1000 mg/kg	100 mg/kg	In-house method with GC-MS	
Decamethylcyclopentasiloxane (D5)	541-02-6	baby: 1000 mg/kg	100 mg/kg	In-house method with GC-MS	
Dodecamethylcyclohexasiloxane (D6)	540-97-6	baby: 1000 mg/kg	100 mg/kg	In-house method with GC-MS	
24. Fluorinated Greenhouse Gases					
See Regulation (EU) No 517/2014 for a complete list.		0.1 mg/kg	0.1 mg/kg	Sample preparation: Purge and trap —	yes

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		Requirements Component / Materials in Finished Product	Reporting limits	Test Methods	
				thermal desorption or SPME Measurement: GC/MS	
25. Ozone-depleting Substances					
See Regulation (EC) No 1005-2009 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」は、情報収集のみを目的としており要求基準値はありません。含有状況を確認しておくことが推奨される物質です。

追加要求事項

上記の表で要求されている特定の有害化学物質のほかに、生産においてファーストリテイリングが必要とするいくつかの追加要求事項があります。これらには、アスベスト、PVC 材料に関する制限等が含まれます。以下のセクションで詳細を説明します。

1. アスベスト

アスベストの使用は、多くの国や地域において、発がん物質として国内法で禁止されています。アスベストは、スレート、断熱材および保温材に使用されており、アスベスト粒子が人体によって吸入された場合に、肺線維症、悪性中皮腫および肺がんの根本的原因となる可能性があることがわかっています。アスベストが施設内で使用されると、従業員や周囲の環境に深刻な健康影響を与える可能性があります。アスベストは非常に危険な物質であるため、有資格の専門家による調査および処理が必要です。アスベストを含む材料が確認された場合、以下の対策を講じる必要があります。

- 使用されているアスベストの場所を記録し、適切かつ目に見えるようにマークする必要があります。その後の悪影響を防ぐための対策を講じる必要があります。
- 処分が完了するまで潜在的な悪影響をチェックするための目視検査を行ってください。
- アスベストの認知度を高め、アスベストの悪影響が見つかった場合の対応策を習得するために、従業員は訓練を受けなければなりません。
- 廃棄は関連法に従って行わなければなりません。
- 悪影響を起こすアスベストは、資格のある業者によって処理されなければなりません。

2. PVC 素材

ファーストリテイリングは、すべての FR 商品（コンポーネントを含む）での PVC 素材の使用を禁止しています。 PVC は広く使用されている熱可塑性ポリマーであり、それは可塑剤の添加によってより柔軟性をもたせることができます。 最も広く使用されている可塑剤はフタル酸エステル類です。アパレル業界では、PVC 素材は一般にコート、ジャケット、エプロン、バッグに使用されています。ファーストリテイリングは、以下の理由により PVC 素材を禁止しています。

- 多くのフタル酸エステル類は生殖毒性があることが知られており、先天性異常またはホルモンレベルの変化を引き起こす可能性があります。 2013 年のファーストリテイリングのコミットメントにおいても、フタル酸エステル類は 11 の優先的に廃絶すべき有害化学物質のうちのひとつです。
- 塩化ビニル製造の副産物として、また家庭ごみ中の廃 PVC の焼却によって、ダイオキシンが生成されると言われています。

Appendix 1. 想定される使用用途

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, flameretardant 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.

Chemical Group	Potential Uses
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.
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.

Chemical Group	Potential Uses
	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. 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.

Chemical Group	Potential Uses
	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.