

YKK Restricted Substances List (YKK RSL)

2025 Edition
March 21, 2025

Y K K Corporation
Quality Management & Assurance Department

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Substances other than those with notes in each category shall, in principle, conform to the standard values for the substances listed in this list.
If there are substances that do not conform to the standard value, or cannot guarantee the conformity to the standard value, please list the substances in concern on the "YKK RSL Conformity Check Sheet" and submit it to YKK.

✓

Substances listed in standards

Substances not listed in standards

Red: Changes in 2025 Edition

Classifications & Substances	Acronym / C.I. Structure #	CAS RN	Regulatory Standards		OEKO-TEX STANDARD Annex 6 Class I Edition 02.2025	AFIRM RSL Version 10 2025	Test Mrthods (Referencial Information) * OEKO-TEX® Standard 100 or test methods equivalent to the methods defined in this table can be applied. * As for test methods, refer to the latest version regardless of the notation in this table.
1. Formaldehyde							
Formaldehyde		50-00-0	16 mg/kg		✓	✓	JIS L 1041 (using acetylacetone, method B) / ISO 14184 Leather: ISO 17226
2. Extractable (Soluble) Heavy Metals							
Antimony	Sb	7440-36-0	30 mg/kg		✓	✓	ASTM F963-17, DIN EN 16711-2 Leather: ISO 17072-1
Arsenic	As	7440-38-2	0.2 mg/kg		✓	✓	
Barium	Ba	7440-39-3	1000 mg/kg		✓	✓	
Cadmium	Cd	7440-43-9	0.1 mg/kg		✓	✓	
Chromium (VI)	Cr (VI)	18540-29-9	0.5 mg/kg		✓	✓	Diphenylcarbazide Testing - JIS K 0102 / ISO 17075 Textiles: EN 16711 with ISO 17075 Leather: ISO 17075
Chromium	Cr	7440-47-3	1.0 mg/kg		✓	✓	ASTM F963-17, DIN EN 16711-2 Leather: ISO 17072-1
Cobalt	Co	7440-48-4	1.0 mg/kg		✓	✓	
Copper	Cu	7440-50-8	25 mg/kg		✓	✓	
Lead	Pb	7439-92-1	0.2 mg/kg		✓	✓	
Mercury	Hg	7439-97-6	0.02 mg/kg		✓	✓	
Manganese	Mn	7439-96-5	90 mg/kg		✓	✓	
Nickel	Ni	7440-02-0	metal and metallized surface 0.5mg/kg 1.0 mg/kg		✓ ✓	✓ ✓	
Nickel Release	Ni	7440-02-0	0.5 µg/cm²/week		✓	✓	EN 12472 + EN 1811
Selenium	Se	7782-49-2	100 mg/kg		✓	✓	ASTM F963-17, DIN EN 16711-2
Zinc	Zn	7440-66-6	750 mg/kg		✓		Leather: ISO 17072-1
3. Heavy Metals Content							
Arsenic	As	7440-38-2	100 mg/kg		✓	✓	Acid digestion + ICP / AAS, DIN EN 16711-1 Leather: ISO 17072-2 * Lead in non-metal: CPSC-CH-E1002-08.3 * Lead in metal: CPSC-CH-E1001-08.3 * Lead in paint and surface coatings: CPSC-CH-E1003-09.1
Cadmium	Cd	7440-43-9	40 mg/kg		✓	✓	
Mercury	Hg	7439-97-6	0.5 mg/kg		✓	✓	
Lead	Pb	7439-92-1	Metal 90 mg/kg Non-metal 75 mg/kg		✓ ✓	✓ ✓	
4. Pesticides -Applies only to natural materials (fibres, textiles, leather).							
Methoxychlor		72-43-5	0.01 mg/kg	total 0.5 mg/kg	✓	✓	ISO 15913/DIN 38407 F2 or EPA 8081/EPA 8151A
2,4,5-trichlorophenoxyacetic acid	2,4,5-T	93-76-5			✓	✓	
2,4-Dichlorophenoxyacetic acid	2,4-D	94-75-7			✓	✓	
Acetamiprid		135410-20-7			✓		
		160430-64-8			✓		
Aldicarb		116-06-3			✓	✓	
Aldrine		309-00-2			✓	✓	
Azinophosethyl		2642-71-9			✓	✓	
Azinophosmethyl		86-50-0			✓	✓	
Bromophos-ethyl		4824-78-6			✓	✓	
Captafol		2425-06-1			✓	✓	
Carbaryl		63-25-2			✓	✓	
Carbendazim		10605-21-7			✓		
Chlorbenzilate		510-15-6			✓	✓	
Chlordane		57-74-9			✓	✓	
Chlordimeform		6164-98-3			✓	✓	
Chlorfenvinphos		470-90-6			✓	✓	
Chlorthalonil		1897-45-6			✓	✓	
Clothianidin		210880-92-5			✓		
Coumaphos		56-72-4			✓	✓	
Cyfluthrin		68359-37-5			✓	✓	
Cyhalothrin		91465-08-6			✓	✓	
Cypermethrin		52315-07-8			✓	✓	
DEF(S,S,S-Tributyl phosphorotrithioate)		78-48-8			✓	✓	
Deltamethrin		52918-63-5			✓	✓	
DDD		53-19-0			✓	✓	
		72-54-8			✓	✓	
DDE		3424-82-6			✓	✓	
		72-55-9			✓	✓	
DDT		50-29-3			✓	✓	
		789-02-6			✓	✓	
Diazinon		333-41-5			✓	✓	
Dichlorophene		97-23-4			✓		
Dicofol		115-32-2			✓	✓	
Dichlorprop		120-36-5			✓	✓	
Dicrotophos		141-66-2			✓	✓	
Dieldrine		60-57-1			✓	✓	
Dimethoate		60-51-5			✓	✓	
Dinoseb, its salts and acetate		88-85-7			✓	✓	
		various			✓	✓	
Dinotefuran		165252-70-0			✓		
4, 6-Dichloro-7 (2,4,5-trichloro-phenoxy) -2-Trifluoro methyl benz in	DTTB	63405-99-2			✓	✓	
Endosulfan		115-29-7			✓	✓	
Endosulfan, α-		959-98-8			✓	✓	
Endosulfan, β-		33213-65-9			✓	✓	
Endrine		72-20-8			✓	✓	
Esfenvalerate		66230-04-4			✓	✓	
Fenvalerate		51630-58-1			✓	✓	
Heptachlor		76-44-8			✓	✓	
Heptachloroepoxide		1024-57-3			✓	✓	
		28044-83-9			✓	✓	
Hexachlorobenzene		118-74-1			✓	✓	
Hexachlorcyclohexane, α-		319-84-6			✓	✓	
Hexachlorcyclohexane, β-		319-85-7			✓	✓	
Hexachlorcyclohexane, δ-		319-86-8			✓	✓	
Imidacloprid		105827-78-9			✓		
		138261-41-3			✓		
Isodrine		465-73-6			✓	✓	
Kelevane		4234-79-1			✓	✓	
Kepone		143-50-0			✓	✓	
Lindane		58-89-9			✓	✓	
Malathion		121-75-5			✓	✓	
MCPA		94-74-6			✓	✓	
MCPB		94-81-5			✓	✓	
Mecoprop		93-65-2			✓	✓	
Metamidophos		10265-92-6			✓	✓	
Mirex		2385-85-5			✓	✓	
Monocrotophos		6923-22-4			✓	✓	
Nitenpyram		150824-47-8			✓		
		120738-89-8			✓		
Parathion		56-38-2			✓	✓	
Parathion-methyl		298-00-0			✓	✓	
Perthane		72-56-0			✓	✓	
Phosdrin/Mevinphos		7786-34-7			✓	✓	
Phosphamidone		13171-21-6			✓		
Propethamphos		31218-83-4			✓	✓	
Profenophos		41198-08-7			✓	✓	
Silafluofen		105024-66-6			✓		
Strobane		8001-50-1			✓	✓	
Quinalphos		13593-03-8			✓	✓	
Telodrine		297-78-9			✓	✓	
Thiacloprid		111988-49-9			✓		
Thiamethoxam		153719-23-4			✓		
Tolyfluanide		731-27-1			✓	✓	
Toxaphene		8001-35-2			✓	✓	
Trifluralin		1582-09-8			✓	✓	
2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds	2,4,5-TP	93-72-1				✓	
Dichlofluanide		1085-98-9				✓	
Ethylendibromid		106-93-4				✓	
Halogenated naphthalenes, including polychlorinated naphthalenes	PCNs	Various				✓	

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Pentachloroanisole			1825-21-4			✓	
Quintozene			82-68-8			✓	
5. Glyphosate and its salt -Applies only to natural materials (fibres, textiles, leather). Glyphosate and salt							
			1071-83-6	0.5 mg/kg each total 5.0 mg/kg	✓		Solvent extraction + LC-MS
			38641-94-0		✓		
			70901-12-1		✓		
			40465-66-5		✓		
6. Chlorinated phenol							
Pentachlorophenol		PCP	87-86-5	0.05 mg/kg	✓	✓	GC-MS DIN 50009 / ISO 17070
2,3,4,5-Tetrachlorophenol		TeCP	4901-51-3	total 0.05 mg/kg	✓	✓	
2,3,4,6-Tetrachlorophenol		TeCP	58-90-2		✓	✓	
2,3,5,6-Tetrachlorophenol		TeCP	935-95-5		✓	✓	
2,3,4-Trichlorophenol		TrCP	15950-66-0	total 0.2 mg/kg	✓	✓	
2,3,5-Trichlorophenol		TrCP	933-78-8		✓	✓	
2,3,6-Trichlorophenol		TrCP	933-75-5		✓	✓	
2,4,5-Trichlorophenol		TrCP	95-95-4		✓	✓	
2,4,6-Trichlorophenol		TrCP	88-06-2		✓	✓	
3,4,5-Trichlorophenol		TrCP	609-19-8		✓	✓	
2,3-Dichlorophenol		DCP	576-24-9	total 0.5 mg/kg	✓		
2,4-Dichlorophenol		DCP	120-83-2		✓		
2,5-Dichlorophenol		DCP	583-78-8		✓		
2,6-Dichlorophenol		DCP	87-65-0		✓		
3,4-Dichlorophenol		DCP	95-77-2		✓		
3,5-Dichlorophenol		DCP	591-35-5		✓		
2-Chlorophenol		MCP	95-57-8	total 0.5 mg/kg	✓		
3-Chlorophenol		MCP	108-43-0		✓		
4-Chlorophenol		MCP	106-48-9		✓		
7. Phthalates							
Butylbenzylphthalate		BBP	85-68-7	100 mg/kg each total 250 mg/kg	✓	✓	EN 15777, CPSC-CH-C1001-09.4 Textiles: GC-MS, ISO 14389
Dibutylphthalate		DBP	84-74-2		✓	✓	
Di-ethylphthalate		DEP	84-66-2		✓	✓	
Dimethylphthalate		DMP	131-11-3		✓	✓	
Di-(2-ethylhexyl)-phthalate		DEHP	117-81-7		✓	✓	
Di-(2-methoxyethyl)-phthalate		DMEP	117-82-8		✓	✓	
Di-C6-8-branched alkylphthalates,C7 rich		DIHP	71888-89-6		✓	✓	
Di-C7-11-branched and linear alkylphthalates		DHNUP	68515-42-4		✓	✓	
Di-cyclohexylphthalate		DCHP	84-61-7		✓	✓	
Di-hexylphthalate,branched and linear		DHxP	68515-50-4		✓	✓	
Di-iso-butylphthalate		DIBP	84-69-5		✓	✓	
Di-iso-hexylphthalate		DIHxP	71850-09-4		✓	✓	
Di-iso-octylphthalate		DIOP	27554-26-3		✓	✓	
Di-iso-nonylphthalate			28553-12-0		✓	✓	
			68515-48-0		✓	✓	
Di-iso-decylphthalate			26761-40-0		✓	✓	
			68515-49-1		✓	✓	
Di-n-propylphthalate		DPRP	131-16-8		✓	✓	
Di-n-hexylphthalate		DnHP	84-75-3		✓	✓	
Di-n-octylphthalate		DNOP	117-84-0		✓	✓	
Di-n-nonylphthalate		DNP	84-76-4	✓	✓		
Di-pentylphthalate (n-, iso-, or mixed)		DPP	131-18-0	✓	✓		
		DIPP	605-50-5	✓	✓		
		nPIPP	776297-69-9	✓	✓		
			84777-06-0	✓	✓		
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters			68515-51-5	✓	✓		
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters			68648-93-1	✓	✓		
Bis(2-ethylhexyl) tetrabromophthalate			26040-51-7	500 mg/kg each		✓	
8. Organic tin compounds							
Dibutyltin / Dibutylzinn		DBT	Various	0.5 mg/kg each	✓	✓	Solvent extraction + GC-MS, ISO/TS 16179
Dimethyltin / Dimethylzinn		DMT	Various		✓	✓	
Diocetyltin / Dioctylzinn		DOT	Various		✓	✓	
Diphenyltin / Diphenylzinn		DPhT	Various		✓	✓	
Dipropyltin / Dipropylzinn		DPT	Various		✓	✓	
Monomethyltin / Monomethylzinn		MMT	Various		✓	✓	
Monobutyltin / Monobutylzinn		MBT	Various		✓	✓	
Monooctyltin / Monoocetylzinn		MOT	Various		✓	✓	
Monophenyltin / Monophenylzinn		MPhT	Various		✓	✓	
Tetrabutyltin / Tetrabutylzinn		TeBT	Various		✓	✓	
Tetraethyltin / Tetraethylzinn		TeET	Various		✓	✓	
Tributyltin / Tributylzinn		TBT	Various		✓	✓	
Tricyclohexyltin / Tricyclohexylzinn		TCyHT	Various		✓	✓	
Trimethyltin / Trimethylzinn		TMT	Various		✓	✓	
Triocetyltin / Trioctylzinn		TOT	Various		✓	✓	
Triphenyltin / Triphenylzinn		TPhT	Various		✓	✓	
Tripropyltin / Tripropylzinn		TPT	Various		✓	✓	
Tetraoctyltin / Tetraoctylzinn		TeOT	Various		✓	✓	
9. Bisphenols							
Bisphenol A		BPA	80-05-7	1 mg/kg	✓	✓	Extraction in THF + LC-MS
Bisphenol B		BPB	77-40-7	200 mg/kg	✓	✓	
Bisphenol AF		BPAF	147-61-1	1000 mg/kg	✓		
Bisphenol F		BPF	620-92-8	200 mg/kg	✓	✓	
Bisphenol S		BPS	80-09-1	200 mg/kg	✓	✓	
10. Other chemicals							
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol			119-47-1	1,000 mg/kg	✓		Solvent extraction + LC-MS
Diphenyl (2,4,6-trimethylbenzoyDphosphine oxide			75980-60-8	1,000 mg/kg	✓		
Bis(4-chlorophenyl) sulphone			80-07-9	1,000 mg/kg	✓		
Bis-(α,α-dimethylbenzyl)-peroxide			80-43-3	1000 mg/kg	✓		
Melamine			108-78-1	1,000 mg/kg	✓		
N-(hydroxymethyl)acrylamide			924-42-5	1,000 mg/kg	✓		
Tris(2-methoxyethoxy)vinylsilane			1067-53-4	1,000 mg/kg	✓		
2-Mercaptobenzothiazol		2-MTB	149-30-4	1,000 mg/kg	✓		Solvent extraction + LC-MS
Aniline			62-53-3	20 mg/kg	✓	✓	
Benzene			71-43-2	1 mg/kg	✓	✓	EN71-11, GC-MS headspace
Diazene-1,2-dicarboxamide		ADCA	123-77-3	1000 mg/kg	✓		LC-MS
Dimethylfumarate		DMFu	624-49-7	0.1 mg/kg	✓	✓	ISO 16186
o-Phenylphenol		OPP	90-43-7	10 mg/kg	✓	✓	DIN 50009
Phenol			108-95-2	20 mg/kg	✓	✓	Leather: ISO 13365
Quinoline			91-22-5	50 mg/kg	✓	✓	Extraction in methanol + DIN 54231, AffPS GS 2019.01
Resorcinol			108-46-3	1000 mg/kg	✓		
Triphenyl phosphate		TPP	115-86-6	1000 mg/kg	✓		
11. Colorant							
Allergy-inducing Dyes							
C.I. Disperse Blue 1		C.I. 64 500	2475-45-8	20 mg/kg each	✓	✓	DIN 54231
C.I. Disperse Blue 3		C.I. 61 505	2475-46-9		✓	✓	
C.I. Disperse Blue 7		C.I. 62 500	3179-90-6		✓	✓	
C.I. Disperse Blue 26		C.I. 63 305	3860-63-7		✓	✓	
C.I. Disperse Blue 35			12222-75-2		✓		
C.I. Disperse Blue 35A			56524-77-7	30 mg/kg each		✓	
C.I. Disperse Blue 35B			56524-76-6			✓	
C.I. Disperse Blue 102		C.I. 11 1945	12222-97-8	20 mg/kg each	✓	✓	
C.I. Disperse Blue 106			12223-01-7		✓	✓	
C.I. Disperse Blue 124			61951-51-7		✓	✓	
C.I. Disperse Brown 1		C.I. 11 152	23355-64-8		✓	✓	
C.I. Disperse Orange 1		C.I. 11 080	2581-69-3		✓	✓	
C.I. Disperse Orange 3		C.I. 11 005	730-40-5		✓	✓	
C.I. Disperse Orange 37 (= 59 / = 76)		C.I. 11 132	51811-42-8		✓	✓	

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C.I. Disperse Orange 59		13301-61-6		✓	✓	
C.I. Disperse Orange 76		12223-33-5		✓	✓	
C.I. Disperse Red 1	C.I. 11 110	2872-52-8		✓	✓	
C.I. Disperse Red 11	C.I. 62 015	2872-48-2		✓	✓	
C.I. Disperse Red 17	C.I. 11 210	3179-89-3		✓	✓	
C.I. Disperse Red 151		61968-47-6	30 mg/kg each		✓	
C.I. Disperse Yellow 1	C.I. 10 345	119-15-3	20 mg/kg each	✓	✓	
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8		✓	✓	
C.I. Disperse Yellow 7		6300-37-4	30 mg/kg each		✓	
C.I. Disperse Yellow 9	C.I. 10 375	6373-73-5	20 mg/kg each	✓	✓	
C.I. Disperse Yellow 39		12236-29-2		✓	✓	
C.I. Disperse Yellow 49		54824-37-2		✓	✓	
C.I. Disperse Yellow 56		54077-16-6	30 mg/kg each		✓	
Carcinogenic Dyes						
C.I. Acid Red 26	C.I. 16 150	3761-53-3	20 mg/kg each	✓	✓	DIN 54231
C.I. Acid Red 114	C.I. 23 635	6459-94-5		✓		
C.I. Basic Blue 26 (with ≥ 0.1 % Michler's ketone or base)		2580-56-5		✓	✓	
C.I. Basic Red 9	C.I. 42 500	569-61-9		✓	✓	
C.I. Basic Violet 3 (with ≥ 0.1 % Michler's ketone or base)		548-62-9		✓	✓	
C.I. Basic Violet 14	C.I. 42 510	632-99-5		✓	✓	
C.I. Direct Black 38	C.I. 30 235	1937-37-7		✓	✓	
C.I. Direct Blue 6	C.I. 22 610	2602-46-2		✓	✓	
C.I. Direct Blue 15	C.I. 24 400	2429-74-5		✓		
C.I. Direct Brown 95	C.I. 30145	16071-86-6		✓	✓	
C.I. Direct Red 28	C.I. 22 120	573-58-0		✓	✓	
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8		✓	✓	
C.I. Disperse Orange 11	C.I. 60 700	82-28-0		✓	✓	
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8		✓	✓	
C.I. Solvent Yellow 1 (4-Aminoazobenzene)	C.I. 11 100	60-09-3		✓	✓	
C.I. Solvent Yellow 3 (o-Aminoazotoluene)	C.I. 11 160	97-56-3		✓	✓	
C.I. Pigment Red 104 (Lead chromate molybdate sulphate red)	C.I. 77 605	12656-85-8		✓		
C.I. Pigment Yellow 34 (Lead sulfochromate yellow)	C.I. 77 603	1344-37-2		✓		
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol		561-41-1		✓	✓	
C.I Solvent Blue 4		6786-83-0		✓	✓	
Carcinogenic aromatic amine						
MAK III, category 1			20 mg/kg each			DIN 54231 or ISO 14362 Leather: ISO 17234
4-Aminobiphenyl		92-67-1		✓	✓	
Benzidine		92-87-5		✓	✓	
4-Chloro-o-toluidine		95-69-2		✓	✓	
2-Naphthylamine		91-59-8		✓	✓	
MAK III, category 2						
o-Aminoazotoluene		97-56-3		✓	✓	
2-Amino-4-nitrotoluene		99-55-8		✓	✓	
4-Chloroaniline		106-47-8		✓	✓	
2,4-Diaminoanisole		615-05-4		✓	✓	
4,4'-Diaminodiphenylmethane		101-77-9		✓	✓	
3,3'-Dichlorobenzidine		91-94-1		✓	✓	
3,3'-Dimethoxybenzidine		119-90-4		✓	✓	
3,3'-Dimethylbenzidine		119-93-7		✓	✓	
4,4'-Methylenedi-o-toluidine		838-88-0		✓	✓	
p-Cresidine (6-Methoxy-m-toluidine)		120-71-8		✓	✓	
4,4'-Methylene-bis-(2-chloroaniline)		101-14-4		✓	✓	
4,4'-Oxydianiline		101-80-4		✓	✓	
4,4'-Thiodianiline		139-65-1		✓	✓	
o-Toluidine / o-Toluidin		95-53-4		✓	✓	
2,4-Toluylenediamine		95-80-7		✓	✓	
2,4,5-Trimethylaniline		137-17-7		✓	✓	
o-Anisidine (2-Methoxyaniline)		90-04-0		✓	✓	
4-Aminoazobenzene		60-09-3		✓	✓	
2,4-Xylidine / 2,4-Xylidin		95-68-1		✓	✓	
2,6-Xylidine / 2,6-Xylidin		87-62-7		✓	✓	
Other Banned Dyes						
C.I. Acid Violet 49		1694-09-3	20 mg/kg each	✓	✓	DIN 54231
C.I. Basic Green 4 (malachite green chloride)		569-64-2		✓	✓	
C.I. Basic Green 4 (malachite green)		10309-95-2		✓	✓	
C.I. Basic Green 4 (malachite green oxalate)		2437-29-8		✓	✓	
		18015-76-4		✓		
Solvent Yellow 34 / C.I. Basic Yellow 2 (hydrochloride and free base)		2465-27-2		✓		
		492-80-8		✓		
C.I. Basic Violet 1		8004-87-3		✓		
C.I. Direct Blue 218		28407-37-6		✓		
C.I. Disperse Orange 149		85136-74-9		✓	✓	
C.I. Disperse Yellow 23	C.I. 26 070	6250-23-3		✓	✓	
C.I. Solvent Yellow 2		60-11-7		✓	✓	
C.I. Solvent Yellow 14		842-07-9		✓		
Navy Blue (Index-Nr. 611-070-00-2; EG-Nr. 405-665-4)			Not used (15 mg/kg each)	✓	✓	
Component 1: C39H23Cl-CrN7O12S 2Na		118685-33-9			✓	
Component 2: C46H-30CrN10O20S2 3Na		various			✓	
Other allylamines and amine salts						
Aniline		62-53-3	20 mg/kg each	✓	✓	ISO 14362
4-Chloro-o-toluidinium chloride		3165-93-3		✓	✓	
2,4,5-Trimethylaniline hydrochloride		21436-97-5		✓	✓	
2-Naphthylammoniumacetate		553-00-4		✓	✓	
2,4-Diaminoanisole sulphate		39156-41-7		✓	✓	
2,5-Diaminotoluene		95-70-5		✓		
4-Ethoxyaniline		156-43-4		✓		
4,4'Methylenedi-o-toluidine		838-88-0		✓		
12. Chlorinated benzene & toluene						
Chlorobenzenes						
Chlorobenzene		108-90-7	total 1.0 mg/kg	✓		EN 17137, DIN 54232, GC-MS
Dichlorobenzenes		25321-22-6		✓		
1,2-Dichlorobenzene		95-50-1		✓	✓	
1,3-Dichlorobenzene		541-73-1		✓	✓	
1,4-Dichlorobenzene		106-46-7		✓	✓	
Trichlorobenzenes		12002-48-1		✓		
1,2,3-Trichlorobenzene		87-61-6		✓	✓	
1,2,4-Trichlorobenzene		120-82-1		✓	✓	
1,3,5-Trichlorobenzene		108-70-3		✓	✓	
Tetrachlorobenzenes		12408-10-5		✓		
1,2,3,4-Tetrachlorobenzene		634-66-2		✓	✓	
1,2,3,5-Tetrachlorobenzene		634-90-2		✓	✓	
1,2,4,5-Tetrachlorobenzene		95-94-3		✓	✓	
1,2,3,4 (or 1,2,4,5)-Tetrachlorobenzene		84713-12-2		✓		
Pentachlorobenzene		608-93-5		✓	✓	
Hexachlorobenzene		118-74-1		✓	✓	
Chlorotoluenes						
2-Chlorotoluene		95-49-8		✓	✓	
3-Chlorotoluene		108-41-8		✓	✓	
4-Chlorotoluene		106-43-4		✓	✓	
2,3-Dichlorotoluene		32768-54-0		✓	✓	
2,4-Dichlorotoluene		95-73-8		✓	✓	
2,5-Dichlorotoluene		19398-61-9		✓	✓	
2,6-Dichlorotoluene		118-69-4		✓	✓	
3,4-Dichlorotoluene		95-75-0		✓	✓	
3,5-Dichlorotoluene		25186-47-4		✓		
2,3,4-Trichlorotoluene		7359-72-0		✓		
2,3,5-Trichlorotoluene		56961-86-5		✓		
2,3,6-Trichlorotoluene		2077-46-5		✓	✓	
2,4,5-Trichlorotoluene		6639-30-1		✓	✓	
2,4,6-Trichlorotoluene		23749-65-7		✓		
3,4,5-Trichlorotoluene		21472-86-6		✓		
2,3,4,5-Tetrachlorotoluene		76057-12-0		✓	✓	

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✓	Substances listed in standards
	Substances not listed in standards

Red: Changes in 2025 Edition

Classifications & Substances	Acronym / C.I. Structure #	CAS RN	Regulatory Standards		OEKO-TEX STANDARD Annex 6 Class I Edition 02.2025	AFIRM RSL Version 10 2025	Test Mrthods (Referencial Information) * OEKO-TEX® Standard 100 or test methods equivalent to the methods defined in this table can be applied. * As for test methods, refer to the latest version regardless of the notation in this table.
2,3,4,6-Tetrachlorotoluene		1006-32-2			✓		
2,3,5,6-Tetrachlorotoluene		875-40-1			✓	✓	
		29733-70-8			✓		
		1006-31-1			✓	✓	
2,3,4,5,6-Pentachlorotoluene		877-11-2			✓	✓	
Benzotrichloride		98-07-7			✓	✓	
Benzyl chloride		100-44-7			✓	✓	
4-Chlorobenzotrichloride		5216-25-1			✓	✓	
α-substituted-Chlorotoluenes		Various			✓		

13. Polycyclic aromatic hydrocarbons (PAH)							
Benzo[a]pyrene	BaP	50-32-8	0.5 mg/kg each	total 5.0 mg/kg	✓	✓	GC-MS, AFPS GS 2019:01 EN 17132:2019 ISO 16190 : 2021
Benzo[e]pyrene		192-97-2			✓	✓	
Benzo[a]anthracene		56-55-3			✓	✓	
Chrysene		218-01-9			✓	✓	
Benzo[b]fluoranthene		205-99-2			✓	✓	
Benzo[j]fluoranthene		205-82-3			✓	✓	
Benzo[k]fluoranthene		207-08-9			✓	✓	
Dibenzo[a,h]anthracene		53-70-3			✓	✓	
Acenaphthene		83-32-9			✓	✓	
Acenaphthylene		208-96-8			✓	✓	
Anthracene		120-12-7			✓	✓	
Benzo[ghi]perylene		191-24-2			✓	✓	
Cyclopenta[c,d]pyrene		27208-37-3			✓		
Dibenzo[a,e]pyrene		192-65-4			✓		
Dibenzo[a,h]pyrene		189-64-0			✓		
Dibenzo[a,i]pyrene		189-55-9			✓		
Dibenzo[a,l]pyrene		191-30-0			✓		
Fluoranthene		206-44-0			✓	✓	
Fluorene		86-73-7			✓	✓	
Indeno[1,2,3-cd]pyrene		193-39-5			✓	✓	
1-Methylpyrene		2381-21-7			✓		
Phenanthrene		85-01-8			✓	✓	
Pyrene		129-00-0			✓	✓	
Naphthalene		91-20-3	2.0 mg/kg		✓	✓	

14. Banned flame retardants							
Short chain chlorinated paraffins (C10 - C13)	SCCP	85535-84-8	total 50 mg/kg, 10 mg/kg each		✓	✓	Textiles: ISO 22818 Leather: ISO 18219
Medium chain chlorinated paraffins (C14- C17)	MCCP	85535-85-9 198840-65-2 1372804-76-6			✓	✓	
					✓		ISO 17881 Extraction IEC 62321-6 + LC-MS / GC-MS
					✓		
Polybrominated biphenyls	PBBs	59536-65-1			✓	✓	
Monobromobiphenyls	MonoBB	various			✓		
Dibromobiphenyls	DiBB	various			✓		
Tribromobiphenyls	TriBB	various			✓		
Tetrabromobiphenyls	TetraBB	various			✓		
Pentabromobiphenyls	PentaBB	various			✓		
Hexabromobiphenyls	HexaBB	various			✓		
Heptabromobiphenyls	HeptaBB	various			✓		
Octabromobiphenyls	OctaBB	various			✓		
Nonabromobiphenyls	NonaBB	various			✓		
Decabromobiphenyl	DecaBB	13654-09-6			✓		
Polybrominated diphenyl ethers	PBDE	various			✓		
Monobromodiphenylether	MonoBDE	various			✓		
Dibromodiphenylether	DiBDE	various			✓		
Tribromodiphenylether	TriBDE	various			✓		
Tetrabromodiphenylether	TetraBDE	40088-47-9			✓		
		various			✓		
Pentabromodiphenylether	Penta BDE	32534-81-9			✓	✓	
		various			✓		
Hexabromodiphenylether	HexaBDE	36483-60-0			✓		
		various			✓		
Heptabromodiphenylether	HeptaBDE	68928-80-3			✓		
		various			✓		
Octabromodiphenylether	OctaBDE	32536-52-0			✓	✓	
		various			✓		
Nonabromodiphenylether	NonaBDE	63936-56-1			✓		
		various			✓		
Decabromodiphenylether	DecaBDE	1163-19-5			✓	✓	
Tri-(2,3-dibromopropyl)-phosphate	TRIS	126-72-7			✓	✓	
Tris-(2-chloroethyl)phosphate	TCEP	115-96-8			✓	✓	
Hexabromocyclododecane and all main diastereomeres identified(α-, β-, γ-)	HBCDD	various			✓		
		3194-55-6			✓	✓	
		134237-50-6			✓		
		134237-51-7			✓		
		134237-52-8			✓		
		25637-99-4			✓		
Tetraboron disodium heptaoxide, hydrate		12267-73-1			✓		
Tetrabromobisphenol A	TBBPA	79-94-7			✓	✓	
Bis-(2,3-dibromopropyl)phosphate	BIS	5412-25-9			✓	✓	
Bis(2-ethylhexyl)tetrabromophthalate, any of individual isomers and/ or combinations thereof	TBPH	Various			✓		
2,2-bis(bromomethyl)-1,3-propanediol	BBMP	3296-90-0			✓	✓	
Tris-(1,3-dichloro-2-propyl)phosphate	TDCPP	13674-87-8			✓	✓	
Tris-(aziridinyl)-phosphinoxide	TEPA	545-55-1			✓	✓	
Boric acid		10043-35-3			✓		Methanol extraction + ICP
		11113-50-1			✓		
Zinc borate salts		1332-07-6			✓		Acid digestion, ICP
		12767-90-7			✓		
Diboron trioxide		1303-86-2			✓		Methanol extraction, ICP
Disodium tetraborate,anhydrous		1303-96-4			✓		
		1330-43-4			✓		
		12179-04-3			✓		
Disodium octaborate		12008-41-2			✓		
Tetraboron disodium heptaoxide, hydrate		12267-73-1			✓		
Trixylylphosphate	TXP	25155-23-1			✓	✓	
Trixylylphosphate	TXP	25155-23-1			✓		
Antimony trioxide	Sb2O3	1309-64-4			✓		Acid digestion, ICP
Antimony pentoxide	Sb2O5	1314-60-9			✓		
Barium diboron tetraoxide		13701-64-4			✓		
1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	BTBPE	37853-59-1			✓		
Tri-o-cresyl phosphate		78-30-8			✓		Solvent extraction, GC-MS / LC-MS EN ISO 17881-1:2016
Decabromodiphenyl ethane	DBDPE	84852-53-9				✓	

15. Solvent residue							
1-Methyl-2-pyrrolidone	NMP	872-50-4	500 mg/kg each		✓	✓	Extraction in MeOH + GC-MS / LC-MS, ISO/TS 16189 Textiles: EN 17131
N,N-Dimethylacetamide	DMAc	127-19-5			✓	✓	
Dimethylformamide	DMF	68-12-2			✓	✓	
Formamide		75-12-7	200 mg/kg		✓	✓	
N-Ethyl-2 pyrrolidone	NEP	2687-91-4	1000 mg/kg		✓		
2-pyrrolidone		616-45-5	1000 mg/kg		✓		

16. Surfactant, lubricant residue							
4-tert-butylphenol	BP	98-54-4	total 5.0 mg/kg	total 50 mg/kg	✓		Extraction in THF + ISO 21084 (NP, OP), ISO 18254 (NPEO, OPEO) Leather: ISO 18218, ISO 18254
		various			✓	✓	
Nonylphenol	NP	104-40-5					
		11066-49-2					
		25154-52-3					
		84852-15-3					
		various			✓	✓	
Octylphenol	OP	140-66-9					
		1806-26-4					
		27193-28-8					
Heptylhenol	HpP	various			✓		

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Pentylphenol	PeP	various		✓		
Nonylphenoethoxylates	NP(EO) NPEO	various 9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-87-0		✓	✓	
Octylphenoethoxylates	OP(EO) OPEO	various 9002-93-1 9036-19-5 68987-90-6		✓	✓	

17. PFCs/PFAS, Per- and polyfluorinated compounds/Per- and polyfluoroalkylsubstances						
PFOA and salts						CEN/TS 15968-08, ISO 23702
Perfluorooctanoic acid and salts	PFOA	335-67-1,et. al.	total 25 µg/kg	✓	✓	
Sodium perfluorooctanoate	PFOA-Na	335-95-5			✓	
Potassium perfluorooctanoate	PFOA-K	2395-00-8			✓	
Silver perfluorooctanoate	PFOA-Ag	335-93-3			✓	
Perfluorooctanoyl fluoride	PFOA-F	335-66-0			✓	
Ammonium pentadecafluorooctanoate	APFO	3825-26-1			✓	
PFOA related substances						
1H,1H,2H,2H-Perfluoro-1-decanol	8:2 FTOH	678-39-7	total 250 µg/kg	✓	✓	
1H,1H,2H,2H-Perfluorodecyl acrylate	8:2 FTA	27905-45-9		✓	✓	
1H,1H,2H,2H-Perfluorodecanesulphonic acid and its salts	8:2 FTS	39108-34-4, et. al.		✓	✓	
Methyl perfluorooctanoate	Me-PFOA	376-27-2			✓	
Ethyl perfluorooctanoate	Et-PFOA	3108-24-5			✓	
1H,1H,2H,2H-Perfluorodecyl methacrylate	8:2 FTMA	1996-88-9			✓	
2H,2H-Perfluorodecanoic acid	H2PFDA	27854-31-5			✓	
C9-C14 PFCA						
Perfluorononanoic acid and salts	PFNA, C9-PFCA	375-95-1, et. al.	total 25 µg/kg	✓	✓	
Perfluorodecanoic acid and salts	PFDA, C10-PFCA	335-76-2, et. al.		✓	✓	
Henicosafuoroundecanoic acid and salts	PFUnA, C11-PFCA	2058-94-8, et. al.		✓	✓	
Tricosafuorododecanoic acid and salts	PFDoA, C12-PFCA	307-55-1, et. al.		✓	✓	
Pentacosafuorotridecanoic acid and salts	PFTrDA, C13-PFCA	72629-94-8, et. al.		✓	✓	
Heptacosafuorotetradecanoic acid and salts	PFTeDA, C14-PFCA	376-06-7, et. al.		✓	✓	
Perfluoro(3,7-dimethyloctanoic acid) and salts	PF-3,7-DMOA	172155-07-6, et. al.		✓	✓	
Further PFCAs						
Perfluorobutanoic acid and salts	PFBA	375-22-4	total 25 µg/kg	✓		
Perfluoropentanoic acid and salts	PFPeA	2706-90-3		✓		
Perfluorohexanoic acid and salts	PFHxA	307-24-4		✓	✓	
Perfluoroheptanoic acid and salts	PFHpA	375-85-9, et. al.		✓		
C9-C14 PFCA related substances						
Henicosafuorodecane sulfonic acid and salts	PFDS	335-77-3, et. al.	total 260 µg/kg	✓		
2H,2H,3H,3H-Perfluoroundecanoic acid and salts	4HPFUnA	34598-33-9, et. al.		✓	✓	
1H,1H,2H,2H-Perfluoro-1-decanol	8:2 FTOH	678-39-7		✓	✓	
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1		✓		
1H,1H,2H,2H-Perfluorodecyl acrylate	8:2 FTA	27905-45-9		✓	✓	
1H,1H,2H,2H-Perfluorododecyl acrylate	10:2 FTA	17741-60-5		✓	✓	
1H,1H,2H,2H-Perfluorododecyl methacrylate	10:2 FTMA	2144-54-9			✓	
1H,1H,2H,2H-perfluorotetradecan-1-ol	12:2 FTOH	39239-77-5			✓	
1H,1H,2H,2H-Perfluorododecanesulphonic acid	10:2 FTS	120226-60-0			✓	
1H,1H,2H,2H-Perfluorododecyl iodide	10:2 FTI	2043-54-1			✓	
1H,1H,2H,2H-Perfluorotetradecyl iodide	12:2 FTI	30046-31-2		✓		
PFOS and related						
Perfluorooctane sulfonic acid and sulfonates	PFOS	1763-23-1,et. al.	total 1µg/m²	✓	✓	
Perfluorooctane sulfonamide	PFOSA	754-91-6		✓	✓	
Perfluorooctane sulfonfluoride	PFOSF, POSF	307-35-7		✓	✓	
N-Methyl perfluorooctane sulfonamide	N-Me-FOSA	31506-32-8		✓	✓	
N-Ethyl perfluorooctane sulfonamide	N-Et-FOSA	4151-50-2		✓	✓	
N-Methyl perfluorooctane sulfonamide ethanol	N-Me-FOSE	24448-09-7		✓	✓	
N-Ethyl perfluorooctane sulfonamide ethanol	N-Et-FOSE	1691-99-2		✓	✓	
Perfluorooctanesulfonic acid, potassium salt	PFOS-K	2795-39-3			✓	
Perfluorooctanesulfonic acid, lithium salt	PFOS-Li	29457-72-5			✓	
Perfluorooctanesulfonic acid, ammonium salt	PFOS-NH4	29081-56-9			✓	
Perfluorooctane sulfonate diethanolamine salt	PFOS-NH(OH)2	70225-14-8			✓	
Perfluorooctanesulfonic acid, tetraethylammonium salt	PFOS-N(C2H5)4	56773-42-3			✓	
Didecyl dimethyl ammonium perfluorooctane sulfonate	PFOS-N(C10H21)2(CH3)2	251099-16-8			✓	
PFHxA and salts						
Perfluorohexanoic acid and salts	PFHxA	307-24-4, et. al.	total 25 µg/kg	✓	✓	
PFHxA related substances						
1H,1H,2H,2H-Perfluorooctyl acrylate	6:2 FTA	17527-29-6	total 1 mg/kg	✓	✓	
1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts	6:2 FTS	27619-97-2, et. al.		✓	✓	
1H,1H,2H,2H-Perfluoro-1-octanol	6:2 FTOH	647-42-7		✓	✓	
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2		✓	✓	
1H,1H,2H,2H-Perfluorooctyl methacrylate	6:2 FTMA	2144-53-8			✓	
PFHxS and salts						
Perfluorohexane sulfonic acid and salts	PFHxS	355-46-4, et. al.	total 25 µg/kg	✓	✓	
Perfluorohexane Sulfonic acid, potassium salt	PFHxS-K	3871-99-6			✓	
Perfluorohexane Sulfonic acid, lithium salt	PFHxS-Li	55120-77-9			✓	
Perfluorohexane Sulfonic acid, ammonium salt	PFHxS-NH4	68259-08-5			✓	
Perfluorohexane Sulfonic acid, sodium salt	PFHxS-Na	82382-12-5			✓	
PFHxS related substances						
Perfluorohexane sulfonamide	PFHxSA	41997-13-1	total 1 mg/kg	✓	✓	
N-Methylperfluoro-1-hexanesulfonamide	N-Me-FHxSA	68259-15-4		✓	✓	
Further PFAS						
Perfluorobutane sulfonic acid and salts	PFBS	375-73-5, 59933-66-3, et. al.	total 25 µg/kg	✓		
Perfluoroheptane sulfonic acid and salts	PFHpS	375-92-8, et. al.		✓		
1H,1H,2H,2H-Perfluorooctyl acrylate	6:2 FTA	17527-29-6		✓	✓	
1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts	6:2 FTS	27619-97-2, et. al.		✓	✓	
7H-Perfluoro heptanoic acid and salts	7HPFHpA	1546-95-8, et. al.		✓		
1H,1H,2H,2H-Perfluoro-1-hexanol	4:2 FTOH	2043-47-2		✓		
1H,1H,2H,2H-Perfluoro-1-octanol	6:2 FTOH	647-42-7		✓	✓	
18. UV absorber						
2-Benzotriazol-2-yl-4,6-di-tert-butylphenol	UV 320	3846-71-7	100 mg/kg	✓	✓	Extraction in THF + GC-MS, ISO 24040
Bumetizole	UV 326	3896-11-5		✓	✓	
2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	UV 327	3864-99-1		✓	✓	
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol	UV 328	25973-55-1		✓	✓	
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	UV 329	3147-75-9		✓	✓	
19. Chlorinated parafins						
Short chain chlorinated paraffins (C10 - C13)	SCCP	85535-84-8	total 50 mg/kg	✓	✓	
Medium chain chlorinated paraffins (C14- C17)	MCCP	85535-85-9		✓	✓	
		198840-65-2		✓	✓	
		1372804-76-6		✓	✓	
20. Siloxane						
Octamethylcyclotetrasiloxane	D4	556-67-2	1,000 mg/kg each	✓	✓	Extraction in organic solvent + GC-MS
Decamethylcyclotetrasiloxane	D5	541-02-6		✓	✓	
Odecamethylcyclohexasiloxane	D6	540-97-6		✓	✓	
21. N-nitrosamine						
N-Nitrosodibenzylamine	NDBzA	5336-53-8	0.5 mg/kg each total 5.0 mg/kg	✓		GB/T 24153, ISO 19577
N-Nitrosodibutylamine	NDBA	924-16-3		✓	✓	
N-Nitrosodiethanolamine	NDELA	1116-54-7		✓		
N-Nitrosodiethylamine	NDEA	55-18-5		✓	✓	
N-Nitrosodiisobutylamine	NDiBA	997-95-5		✓		
N-Nitrosodiisononylamine	NDiNa	1207995-62-7		✓		
N-Nitrosodiisopropylamine	NDiPA	601-77-4		✓		
N-Nitrosodimethylamine	NDMA	62-75-9		✓	✓	
N-Nitrosodipropylamine	NDPA	621-64-7		✓	✓	
N-Nitrosomethylethylamine	NMEA	10595-95-6		✓		
N-Nitroso-N-ethyl-N-phenylamine	NEPhA	612-64-6		✓	✓	

YKK Restricted Substances List (YKK RSL)

Substances other than those with notes in each category shall, in principle, conform to the standard values for the substances listed in this list.
If there are substances that do not conform to the standard value, or cannot guarantee the conformity to the standard value, please list the substances in concern on the "YKK RSL Conformity Check Sheet" and submit it to YKK.

✓	Substances listed in standards
	Substances not listed in standards

Red: Changes in 2025 Edition

Classifications & Substances	Acronym / C.I. Structure #	CAS RN	Regulatory Standards	OEKO-TEX STANDARD Annex 6 Class I Edition 02.2025	AFIRM RSL Version 10 2025	Test Mrthods (Referencial Information) * OEKO-TEX® Standard 100 or test methods equivalent to the methods defined in this table can be applied. * As for test methods, refer to the latest version regardless of the notation in this table.
N-Nitroso-N-methyl-N-phenylamine	NMPHA	614-00-6		✓	✓	
N-Nitroso- piperidine	NPIP	100-75-4		✓	✓	
N-Nitroso- pyrrolidine	NPYR	930-55-2		✓	✓	
22. Chloride solvent						
Dichloromethane (Methylene chloride)	DCM	75-09-2	total 5.0 mg/kg, 1.0 mg/kg each	✓	✓	EN71-11, GC-MS headspace
Trichloromethane (Chloroform)		67-66-3		✓	✓	
Tetrachloromethane (Carbon Tetrachloride)		56-23-5		✓	✓	
1,1-Dichloroethane		75-34-3		✓		
1,2-Dichloroethane		107-06-2		✓	✓	
1,1,1-Trichloroethane		71-55-6		✓	✓	
1,1,2-Trichloroethane		79-00-5		✓	✓	
1,1,1,2-Tetrachloroethane		630-20-6		✓	✓	
1,1,2,2-Tetrachloroethane		79-34-5		✓	✓	
1,1-Dichloroethylene		75-35-4		✓	✓	
1,2-Dichloroethylene		540-59-0		✓		
		156-59-2		✓		
		156-60-5		✓		
Trichloroethylene		79-01-6		✓	✓	
Pentachloroethane		76-01-7		✓	✓	
Tetra(per)chloroethylene	PERC	127-18-4		✓	✓	
Carbon Disulfide		75-15-0			✓	
23. Other organic volatiles and glycols						
Acetophenone		98-86-2	10.0 mg/kg	✓	✓	Extraction in acetone or methanol + GC-MS
Benzene		71-43-2	1.0 mg/kg	✓	✓	EN71-11, GC-MS headspace
Bis(2-methoxyethyl)-ether		111-96-6	10.0 mg/kg	✓	✓	LC-MS, GC-MS
Cyclohexanone		108-94-1	10.0 mg/kg	✓	✓	EN71-11, GC-MS headspace
1,2-Diethoxyethane		629-14-1	10.0 mg/kg	✓		LC-MS, GC-MS
1,4-dioxane		123-91-1	10.0 mg/kg	✓		LC-MS, GC-MS
2-Ethoxyethanol		110-80-5	10.0 mg/kg	✓	✓	LC-MS, GC-MS
2-Ethoxyethyl acetate		111-15-9	10.0 mg/kg	✓	✓	EN71-11, GC-MS headspace
Ethylbenzene		100-41-4	10.0 mg/kg	✓	✓	EN71-11, GC-MS headspace
Ethylene glycol dimethyl ether		110-71-4	10.0 mg/kg	✓	✓	Extraction in MeOH + GC-MS, LC-MS, GC-MS
2-Methoxy-1-propanol		1589-47-5	10.0 mg/kg	✓	✓	LC-MS, GC-MS
2-Methoxyethanol		109-86-4	10.0 mg/kg	✓	✓	Extraction in MeOH + GC-MS, LC-MS, GC-MS
2-Methoxyethylacetate		110-49-6	10.0 mg/kg	✓	✓	LC-MS, GC-MS
2-Methoxypropylacetate		70657-70-4	10.0 mg/kg	✓	✓	LC-MS, GC-MS
Methylethylketone	MEK	78-93-3	10.0 mg/kg	✓		LC-MS, GC-MS
Naphthalene		91-20-3	2.0 mg/kg	✓	✓	GC-MS, AfPS GS 2019
2-Phenyl-2-propanole		617-94-7	10.0 mg/kg	✓	✓	Extraction in acetone or methanol + GC-MS
Styrene		100-42-5	10.0 mg/kg	✓	✓	Extraction in methanol + GC-MS
Toluene		108-88-3	10.0 mg/kg	✓	✓	EN71-11, GC-MS headspace
1,2,3-Trichloropropane		96-18-4	10.0 mg/kg	✓	✓	LC-MS, GC-MS
Triethylene glycol dimethyl ether		112-49-2	10.0 mg/kg	✓	✓	Extraction in MeOH + GC-MS, LC-MS, GC-MS
Xylene	o-Xylene	95-47-6	10.0 mg/kg	✓	✓	EN71-11, GC-MS headspace
	m-Xylene	108-38-3		✓	✓	
	p-Xylene	106-42-3		✓	✓	
	Mixed Xylene	1330-20-7		✓	✓	
1,2,Dichloropropane		78-87-5	Total 500 mg/kg		✓	GC/MS headspace
2-Ethylhexane acid		149-57-5			✓	
Isophorone		78-59-1			✓	
THF	THF	109-99-9			✓	
1-bromopropane		106-94-5			✓	
2-(2-Methoxyethoxy)ethanol		111-77-3			✓	
2,4-toluene diisocyanate		584-84-9			✓	
2,4-toluene diisocyanate		684-84-9			✓	
Hexachloroethane		67-72-1			✓	
n-hexane		110-54-3			✓	
24. Cresol						
o-Cresol		95-48-7	10 mg/kg each	✓		
p-Cresol		106-44-5		✓		
m-Cresol		108-39-4		✓		
25. Monomer						
Vinyl Chloride		75-01-4	1 mg/kg		✓	ISO 6401
26. PFCs/PFAS, Per- and polyfluorinated compounds/Per- and polyfluoroalkylsubstances (Fluorine content)						
All PFAS as measured by total organic fluorine		Various	50mg/kg	✓	✓	EN 14582:2016 or ASTM D7359:2023
27.~31. Other laws & regulations						
Please refer to the following URL and answer with or without intentional use						Regulatory Standards
27. REACH SVHC	Refer to the URL below for the SVHCs in detail https://www.echa.europa.eu/candidate-list-table			-	-	Report if contained, prohibited to contain more than 1000 mg/kg
28. POPs	Refer to the URL below for the regulation and regulated substances http://chm.pops.int/TheConvention/ThePOPs/AllPOPs/tabid/2509/Default.aspx			-	-	Usage ban.
29. California Proposition 65 (CP65)	Refer to the URL below for the regulation and regulated substances https://oehha.ca.gov/proposition-65 https://oehha.ca.gov/proposition-65/proposition-65-list			-	-	Please declare the substance name and its content if listed substances are intentionally used.

2020 Edition (Ver. 3.0)	2020/7/1
2021 Edition	2021/4/1
2021 Edition Rev. 1	2021/4/14
2021 Edition Rev. 2	2021/8/3
2021 Edition Rev. 3	2021/11/15
2022 Edition	2021/11/15
2022 Edition Rev. 1	18-03-2022
2023 Edition	2023/3/6
2024 Edition	2024/4/30
2025 Edition	2025/3/14

< Changes in 2023 Edition >

Citing AFIRM RSL in addition to OEKO-TEX® Standard 100 as reference RSL.

[Correction/Change]

9. PFCs

Correction of standard value

('0.25 mg/kg each' to 'Total 0.025 mg/kg' for 8:2 FTA and 8:2 FTOH)

39108-34-4 8:2 FTS

13. Other Banned Dyes

Change of standard value ('1000 mg/kg' to '30 mg/kg each')

561-41-1 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol

6786-83-0 C.I Solvent Blue 4

15. Chlorinated benzene & toluene

Collection of the substance name

84713-12-2 1,2,3,4 (or 1,2,4,5)-Tetrachlorobenzene

877-11-2 2,3,4,5,6-Pentachlorotoluene

14. Other allylamines and amine salts

Correction of standard value ('Total 20 mg/kg' to '20 mg/kg each')

Collection of CAS RN (391456-41-7 to 39156-41-7)

39156-41-7 2,4-Diaminoanisole sulphate

18. Banned flame retardants

Collection of standard value ('sum 20 mg/kg' to '20 mg/kg each')

Collection of CAS RN ('13654-09-06' to '13654-09-6')

13654-09-6 Decabromobiphenyl

19. Surfactant, lubricant residue

Collection of standard value, BP, NP, OP, HpP, PeP ('sum 5.0mg/kg' to '5.0 mg/kg each')

20. Other chemicals

Change of standard value ('100 mg/kg' to '1.0 mg/kg')

80-05-7 Bisphenol A (4,4'-Isopropylidenediphenol)

Collection of test method

80-05-7 Bisphenol A (4,4'-Isopropylidenediphenol)

91-22-5 Quinoline

Addition of CAS RN

52645-53-1 Permethrin

[Addition]

With the publication of OEKO-TEX Standard 100 2023 edition and the addition of AFIRM RSL 2023 edition, the following has been added

1. Extractable Heavy Metals

Addition of test method

(EN71-3, ASTM F963-17, DIN EN 16711, Leather ISO 17072)

5. UV absorber

Addition of test method

(ISO 2404)

6. Pesticides

Addition of substances

93-72-1	2,4,5-TP
1897-45-6	Chlorthalonil
1085-98-9	Dichlofluanide
106-93-4	Ethylendibromid
Various	PCNs
1825-21-4	Pentachloroanisole
82-68-8	Quintozone
115-32-2	Dicofol
63405-99-2	DTTB
731-27-1	Tolylfluanide
105024-66-6	Silafluofen
10605-21-7	Carbendazim
97-23-4	Dichlorophene

9. PFCs

Addition of standard value (Total 10 mg/kg) to 'total PFC'

Addition of standard value (Total 250 µg/kg) to "PFSA"

Addition of standard value (Total 1 µg/m²) to 'PFOS'

Addition of standard value (Total 0.26 mg/kg) to 'C9-C14 PFCA-related substances'

Addition of standard value (Total 1 mg/kg) to 'PFOA-related substances'

Addition of the following substances

2795-39-3	PFOS-K
29457-72-5	PFOS-Li
29081-56-9	PFOS-NH ₄
70225-14-8	PFOS-NH(OH) ₂
56773-42-3	PFOS-N(C ₂ H ₅) ₄
various	PFOA-related substances
376-27-2	Me-PFOA
3108-24-5	Et-PFOA
1996-88-9	8:2 FTMA
335-95-5	PFOA-Na
2395-00-8	PFOA-K
335-93-3	PFOA-Ag
335-66-0	PFOA-F
3825-26-1	APFO
251099-16-8	PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂
3871-99-6	PFHxS-K
55120-77-9	PFHxS-Li
68259-08-5	PFHxS-NH ₄
82382-12-5	PFHxS-Na
68259-15-4	N-Me-FHxSA
41997-13-1	PFHxSA
39239-77-5	12:2 FTOH
2144-54-9	10:2 FTMA
27854-31-5	H2PFDA
120226-60-0	10:2 FTS
2043-54-1	10:2 FTI
30046-31-2	12:2 FTI
27905-45-9	8:2 FTA
678-39-7	8:2 FTOH
375-85-9	PFHpA
335-67-1	PFOA
375-95-1	PFNA
335-76-2	PFDA
2058-94-8	PFUdA

307-55-1 PFDaA
 72629-94-8 PFTrDA
 376-06-7 PFTeDA
 375-22-4 PFBA
 2706-90-3 PFPeA
 307-24-4 PFHxA
 172155-07-6 PF-3,7-DMOA
 375-73-5, 59933-66-3
 PFBS
 355-46-4 PFHxS
 375-92-8 PFHpS
 335-77-3 PFDS
 1546-95-8 7HPFHpA
 34598-33-9 4HPFUnA
 27619-97-2 1H, 1H, 2H, 2H-PFOS
 2043-47-2 4:2 FTOH
 647-42-7 6:2 FTOH
 678-39-7 8:2 FTOH
 865-86-1 10:2 FTOH
 17527-29-6 6:2 FTA
 27905-45-9 8:2 FTA
 17741-60-5 10:2 FTA

13. Other Banned Dyes

Addition of the following substances

56524-77-7 C.I. Disperse Blue 35A
 56524-76-6 C.I. Disperse Blue 35B
 61968-47-6 C.I. Disperse Red 151
 6300-37-4 C.I. Disperse Yellow 7
 54077-16-6 C.I. Disperse Yellow 56
 2465-27-2, 492-80-8

Solvent Yellow 34 / C.I. Basic Yellow 2 (hydrochloride and free base)

129-73-7 C.I. Basic Green 4 (leuco malachite green)

14. Other allylamines and amine salts

Addition of the following substances

95-70-5 2,5-Diaminotoluene

15. Chlorinated benzene & toluene

Addition of the following substances

Various α -substituted-Chlorotoluenes

16. Polycyclic aromatic hydrocarbons (PAH)

Addition of test method

(EN 17132, ISO 16190)

17. Solvent residue

Addition of the following substances

2687-91-4 NEP

18. Banned flame retardants

Addition of CAS RN

198840-65-2, 1372804-76-6

MCCP

Addition of the following substances

84852-53-9 DBDPE

20. Other chemicals

Addition of the following substances

119-47-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol

149-30-4 2-MTB

924-42-5 N-(hydroxymethyl)acrylamide

1067-53-4 Tris(2-methoxyethoxy)vinylsilane

- 3380-34-5 Triclosan
- 111-41-1 2- (2-Aminoethylamino) ethanol (AEEA)
- 11138-47-9, 15120-21-5, 7632-04-04, 16940-66-2, 13517-20-9,
125022-34-6, 90568-23-3
Perboric acid, sodium salt
- 62-56-6 Thiourea
- 21. Cresol
 - Addition of the following substances
 - 1319-77-3 Cresol (all isomers)
- 22. Other organic volatiles and glycols
 - Addition of the following substances
 - 75-01-4 Vinyl Chloride
 - 617-94-7 2-Phenyl-2-propanole
 - 629-14-1 1,2-Diethoxyethane
 - 1589-47-5 2-Methoxy-1-propanol
- 25. Chloride solvent
 - Addition of the following substances
 - 75-15-0 Carbon Disulfide
- 28. Other regulations
 - Added PFAS regulations

< Changes in 2024 Edition >

[Correction/Change]

Substance groups in the "YKK Restricted Substances List (YKK RSL)" have been reordered according to

- 2. Extractable (Soluble) Heavy Metals
 - Deleted test method: EN71-3
- 3. Heavy Metals Content
 - Removed Chromium (VI), Antimony, Chromium, Cobalt,
Copper, Nickel, Barium,
 - *27. Restricted by other regulations "ZDHC MRSL
 - Arsenic
 - 50 mg/kg → 100 mg/kg
- 5. Glyphosate and salts
 - 5.0 mg/kg → 0.5mg/kg each/total 5.0 mg/kg
- 6. Chlorinated phenols
 - Changed test method (GC-MS DIN 50009 / ISO 17070 → EN 17134-2)
- 9. Other chemicals
 - 62-56-6 Remove Thiourea*
 - Various Remove Permethrin*
 - 3380-34-5 Remove Triclosan*
 - 111-41-1 Remove 2- (2-Aminoethylamino) ethanol (AEEA)*
 - Various Remove Perboric acid, sodium salt?
 - *27. Restricted by other regulations "ZDHC MRSL
 - Removed below substance
 - 111-30-8 Remove Glutaraldehyde
- 10. aggregate the following classifications into one group as colorants
 - Allergy-inducing Dyes, Carcinogenic Dyes, Carcinogenic aromatic amine,
 - Other Banned Dyes, Other allylamines and amine salts
 - Remove C.I. Basic Green 4 (leuco malachite green)*

*27. Restricted by other regulations "ZDHC MRSL
 Changed the standard values for the following substances
 Component 1: C39H23ClCrN7O12S.2Na (15ppm → 30ppm)
 Component 2: C46H30CrN10O20S2.3Na (15ppm → 30ppm)

13. Flame retardant products

Delete test method (DIN 38407 F2)
 21850-44-2 Remove Tetrabromobisphenol A bis(2,3-dibromopropylether)*
 512-56-1 Remove Trimethyl phosphate*
 13674-84-5 Remove Tris (2-chloro-1-methylethyl) phosphate (TCPP)*
 *27. Restricted by other regulations "ZDHC MRSL

16. PFCs/PFAS, Per- and polyfluorinated compounds/Per- and polyfluoroalkylsubstances

Remove Total organic fluorine content(10 mg/kg)*
 *26 All PFAS as measured by total organic fluorine (50 mg/kg) limited.
 Review of substance groups, etc.

24. Cresol

Removed Cresol (all isomers)*
 *27. Restricted by other regulations "ZDHC MRSL

[Addition]

With the publication of OEKO-TEX Standard 100 2024 edition and the addition of AFIRM RSL 2024 edition,

2. Extractable (Soluble) Heavy Metals: Added "Nickel metal and metallized surface:0.5mg/kg"

7. Phthalates

Add the following substances
 26040-51-7 Bis(2-ethylhexyl) tetrabromophthalate

9. Other chemicals

Add the following substances
 75980-60-8 Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide
 80-07-9 Bis(4-chlorophenyl) sulphone
 108-78-1 Melamine
 80-09-1 Bisphenol S (4,4'-Sulfonyldiphenol)
 620-92-8 Bisphenol F (2,2'-Methylenediphenol)

17. UV absorber

Add the following substances
 3896-11-5 Bumetrizole
 3147-75-9 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol

22. Other organic volatiles and glycols

Add the following substances
 123-91-1 1,4-dioxane (Each 10ppm)

26. Other laws & regulations

The following laws were added
 Chemicals of high concern to children(Washington CHCC)

"27. ZDHC MRSL added as "Other regulations"

[Correction/Change]

9. Bisphenols

Bisphenols was set as one substance group

17. PFCs/PFAS, Per-and polyfluorinated compounds/Per- and polyfluoroalkylsubstances

PFAS substance groups modified according to OEKO-TEX Standard 100 2025 edition

[Addition]

9. Bisphenols

The following substances were added

147-61-1 Bisphenol AF

18. UV absorber

UV 328

1000 mg/kg → 1 mg/kg

UV 320, UV 326, UV 327, UV 329, UV 350

1000 mg/kg → 100 mg/kg

10. Other chemicals

The following substances were added

80-43-3 Bis-(α,α -dimethylbenzyl)-peroxide

108-46-3 Resorcinol

115-86-6 Triphenyl phosphate

14. Banned flame retardants

The following substances were added

13674-84-5 Tris(2-chloro-1-methylethyl)phosphate

17. PFCs/PFAS, Per-and polyfluorinated compounds/Per- and polyfluoroalkylsubstances

The following substances were added

2144-53-8 1H,1H,2H,2H-Perfluorooctyl methacrylate

68529-15-4 Perfluorohexane sulfonic acid and salts

23. Other organic volatiles and glycols

The following substances were added

78-87-5 1,2-Dichloropropane

149-57-5 2-Ethylhexane acid

78-59-1 Isophorone

109-99-9 THF

106-94-5 1-bromopropane

111-77-3 2-(2-Methoxyethoxy)ethanol

584-84-9 2,4-toluene diisocyanate

684-84-9 2,4-toluene diisocyanate

67-72-1 Hexachloroethane

110-54-3 n-hexane

31. Lead Poisoning Prevention Act. (Illinois:Lead Poisoning Prevention)

The following law was added

Lead Poisoning Prevention Act. (Illinois:Lead Poisoning Prevention)