

Baumarkt direkt, Bon Prix, Collins (About you, Edited), Frankonia, Heine, Manufactum, Media, myToys.de, OTTO/BAUR, Schwab, Sport-Scheck, Unito, Witt Weiden

For countries: EU (incl. CH, NO)

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Otto Group

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Alkylphenols / Alkylphenoethoxylates (AP / APEO)

Test Method: DIN EN ISO 18218-1 (mod.), DIN EN ISO 18254-1 (mod.)

EU: Regulation (EC) No 1907/2006; Limit for preparations only: Nonylphenol and Nonylphenoethoxylates in preparations: 0,1%; Limit for textile articles, valid from 02.02.2021: Nonylphenoethoxylates 0,01%; no limit for Octylphenol and Octylphenoethoxylates

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Nonylphenoethoxylates NPEO		100	mg/kg	Octylphenoethoxylates OPEO		-	mg/kg
Nonylphenols NP		1000	mg/kg	Octylphenols OP		-	mg/kg

Allergenic fragrances

Test Method: EN 71-13

EU: Directive 2009/48/EC; Limit: no use (traces up to 100 mg/kg allowed)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
1-(p-Methoxyphenyl)-1-penten-3-one	104-27-8	100	mg/kg	Citral	5392-40-5	100	mg/kg
2,4-Dihydroxy-3-methylbenzaldehyde	6248-20-0	100	mg/kg	Citronellol	106-22-9	100	mg/kg
2-Pentylidene-cyclohexanone	25677-40-1	100	mg/kg	Costus root oil (Saussurea lappa Clarke)	8023-88-9	100	mg/kg
3,6,10-Trimethyl-3,5,9-undecatrien-2-one	1117-41-5	100	mg/kg	Coumarin	91-64-5	100	mg/kg
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5	100	mg/kg	Cyclamen alcohol	4756-19-8	100	mg/kg
4 tert-Butylphenol	98-54-4	100	mg/kg	Diethyl maleate	141-05-9	100	mg/kg
4-(p-Methoxyphenyl)-3-butene-2-one	943-88-4	100	mg/kg	Dihydrocoumarin	119-84-6	100	mg/kg
4,6-Dimethyl-8-tert-butylcoumarin	17874-34-9	100	mg/kg	Dimethyl citraconate	617-54-9	100	mg/kg
4-Ethoxy-phenol	622-62-8	100	mg/kg	Diphenylamine	122-39-4	100	mg/kg
4-Methoxyphenol	150-76-5	100	mg/kg	d-Limonene	5989-27-5	100	mg/kg
4-Phenyl-3-buten-2-one	122-57-6	100	mg/kg	Ethyl acrylate	140-88-5	100	mg/kg
5-Methyl-2,3-hexanedione	13706-86-0	100	mg/kg	Eugenol	97-53-0	100	mg/kg
6,10-Dimethyl-3,5,9-undecatrien-2-one	141-10-6	100	mg/kg	Farnesol	4602-84-0	100	mg/kg
6,7-Dihydrogeraniol	40607-48-5	100	mg/kg	Fig leaf, fresh and preparations	68916-52-9	100	mg/kg
6-Isopropyl-2-decahydronaphthalenol	34131-99-2	100	mg/kg	Geraniol	106-24-1	100	mg/kg
6-Methylcoumarin	92-48-8	100	mg/kg	Hexahydrocoumarin	700-82-3	100	mg/kg
7,11-Dimethyl-4,6,10-dodecatrien-3-one	26651-96-7	100	mg/kg	Hexyl cinnamaldehyde	101-86-0	100	mg/kg
7-Ethoxy-4-methylcoumarin	87-05-8	100	mg/kg	Hydroabietyl alcohol	13393-93-6	100	mg/kg
7-Methoxycoumarin	531-59-9	100	mg/kg	Hydroxy-citronellal	107-75-5	100	mg/kg
7-Methylcoumarin	2445-83-2	100	mg/kg	Hydroxy-methylpentylcyclohexene-carboxaldehyde	31906-04-4	100	mg/kg
Alanroot oil (Inula helenium)	97676-35-2	100	mg/kg	Isoeugenol	97-54-1	100	mg/kg
Allylthiocyanate	57-06-7	100	mg/kg	Lilial	80-54-6	100	mg/kg
Amyl cinnamal	122-40-7	100	mg/kg	Linalool	78-70-6	100	mg/kg
Amylcinnamyl alcohol	101-85-9	100	mg/kg	Methyl heptene carbonate	111-12-6	100	mg/kg
Anisyl alcohol	105-13-5	100	mg/kg	Methyl trans-2-butenolate	623-43-8	100	mg/kg
Benzyl alcohol	100-51-6	100	mg/kg	Musk ambrette (4-tert-Butyl-3-methoxy-2,6-dinitrotoluene)	83-66-9	100	mg/kg
Benzyl benzoate	120-51-4	100	mg/kg	Oakmoss extracts	90028-68-5	100	mg/kg
Benzyl cinnamate	103-41-3	100	mg/kg	Peru balsam, crude (Exudation of Myroxylon pereirae (Royle))	8007-00-9	100	mg/kg
Benzyl cyanide	140-29-4	100	mg/kg	trans-2-Heptenal	18829-55-5	100	mg/kg
Benzyl salicylate	118-58-1	100	mg/kg	trans-2-Hexenal diethyl acetal	67746-30-9	100	mg/kg
Chenopodium oil	8006-99-3	100	mg/kg	trans-2-Hexenal dimethyl acetal	18318-83-7	100	mg/kg
Cinnamal	104-55-2	100	mg/kg	Treemoss extracts	90028-67-4	100	mg/kg
Cinnamyl alcohol	104-54-1	100	mg/kg	Verbena oil (Lippia citriodora Kunth)	8024-12-2	100	mg/kg

Antioxidantien

Test Methode: EN 1400; EN 14350

EU: Directive 2001/95/EC; Requirements for baby and infant articles EN 1400 (soother) and EN 14350 (articles for drinking equipment)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Cyanox 425, Antioxidant 2246 - sum		0,0625	mg/L	2,6-di-tert-butyl-p-cresol / BHT	128-37-0	30	µg/100 ml
Irganox 1520, Irganox 1726 - sum		0,25	mg/L	2,6-di-tert-butyl-p-cresol / BHT	128-37-0	60	µg/dm ²
2,2'-Methylen-bis(4-ethyl)-6-tert-butylphenol / Cyanox 425	000088-24-4	-	mg/L	6,6'-di-tert-butyl-2,2'-methylen-di-p-cresol / Antioxidant 2246	119-47-1	15	µg/100 ml
2,2'-Methylen-bis(6-(1,1-dimethylethyl)-4-methylphenol) / Antioxidant 2246	119-47-1	-	mg/L	6,6'-di-tert-butyl-2,2'-methylen-di-p-cresol / Antioxidant 2246	119-47-1	30	µg/dm ²
2,4-Bis(dodecylthiomethyl)-6-methylphenol / Irganox 1726	110675-26-8	-	mg/L	Butyliertes Reaktionsprodukt von p-Cresol und Dicyclopentadien / Wingstay L	68610-51-5	0,25	mg/L
2,4-Bis(octylthiomethyl)-6-methylphenol / Irganox 1520	110553-27-0	-	mg/L				

Aromatic amines

Test Method: Inhouse-method: Extraction with dichloromethane or tetrahydrofurane, GC/MS and LC/MS (alternatively: DIN EN ISO 14362 without cleavage)

DE: ProdSG, LFGB §30; no legal limit for consumer products

CH: Regulation 817.023.41; Limit for p-Phenylenediamine in textiles: no use

EU: Directive 2001/95/EC

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
p-Phenylenediamine	106-50-3	no use	mg/kg				

Asbestos

Test Method: Visual identification by microscope

EU: Regulation (EC) 1907/2006; Asbestos fibres shall not be added intentionally to articles

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Aktinolith	77536-66-4	not detectable	mg/kg	Chrysotil	12001-29-5 etc.	not detectable	mg/kg
Amosit	12172-73-5	not detectable	mg/kg	Krokydololith	12001-28-4	not detectable	mg/kg
Anthophyllit	77536-67-5	not detectable	mg/kg	Tremolit	77536-68-6	not detectable	mg/kg

Azo dyes / Cleavable arylamines

Test Method: Leather: §64 LFGB B 82.02-3 / DIN EN ISO 17234-1; Textiles: DIN EN ISO 14362-1; 4-Aminoazobenzene: Leather: §64 LFGB B 82.02-9 / DIN EN ISO 17234-2 and Textiles: DIN EN ISO 14362-3; Navy Blue: DIN 54231

EU: Regulation (EC) 1907/2006; Limit: substances and preparations that are intended for colouring textile and leather articles shall not be placed on the market or used if the concentration of Navy Blue is >0,1%

EU: Regulation (EC) 1907/2006; Limit valid for textiles and leather with skin contact: 30 mg/kg;

DE: Recommendation of BfR No. XXXVI for paper, cardboards and paperboards with food contact; the use of azo dyes is banned; the use is considered as positive at a limit of > 30 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
2,4,5-Trimethylaniline	137-17-7	30	mg/kg	4,4'-Thiodianiline	139-65-1	30	mg/kg
2,4-Diaminoanisole	615-05-4	30	mg/kg	4-Aminoazobenzene	60-09-3	30	mg/kg
2,4-Toluylenediamine	95-80-7	30	mg/kg	4-Aminobiphenyle	92-67-1	30	mg/kg
2-Amino-4-nitrotoluene	99-55-8	30	mg/kg	4-Chloro-o-toluidine	95-69-2	30	mg/kg
2-Naphthylamine	91-59-8	30	mg/kg	Benzidine	92-87-5	30	mg/kg
3,3'-Dichlorobenzidine	91-94-1	30	mg/kg	Navy Blue / Blue Colorant (Mix)	118685-33-9 et al.	not detectable	mg/kg
3,3'-Dimethoxybenzidine	119-90-4	30	mg/kg	o-Aminoazotoluene	97-56-3	30	mg/kg
3,3'-Dimethylbenzidine	119-93-7	30	mg/kg	o-Anisidine	90-04-0	30	mg/kg
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	30	mg/kg	o-Toluidine	95-53-4	30	mg/kg
4,4'-Diaminodiphenylmethane	101-77-9	30	mg/kg	p-Chloroaniline	106-47-8	30	mg/kg
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	30	mg/kg	p-Cresidine	120-71-8	30	mg/kg
4,4'-Oxydianilin	101-80-4	30	mg/kg				

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Benzene in toys

Test Method: inhouse-method, Headspace (30 Min, 110°C), GC-MS, semi-quantitative determination against d8-toluene

EU: Regulation (EC) 1907/2006; Limit: 5 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Benzene	71-43-2	5	mg/kg				

Bisphenol A

Test Method: ASTM D 7574 (mod.)

BE: Document No. 5-338/8; Bisphenol A is prohibited for materials with food contact for children < 3 years

AT: Prohibition of the use of Bisphenol A in pacifiers and teethers, BGBl II No. 327/2011

EU: Regulation (EC) No 10/2011; the use of Bisphenol A is totally forbidden for infant bottles made, drinking cups and bottles of polycarbonate for infants and young children.

EU: Regulation (EU) No. 2018/213; Specific migration limit from varnishes or coatings: 0,05 mg/kg; Specific migration limit from varnishes or coatings intended for contact with food for infants or young children: not detectable; valid from 06.09.2018

DK: Recommendation of Danish Veterinary and Food Administration; Bisphenol A is prohibited in articles with food contact for children < 3 years

SE: Livsmedelsförordning 2006:813; Bisphenol A is prohibited in paints and coatings in food packaging for children <3 years

FR: Act 2010-729, Bisphenol A is prohibited in baby bottles; Act 2012-1442, Bisphenol A is prohibited for soother, teether, articles for children < 3 years and food contact articles

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Bisphenol A / BPA	80-05-7	not detectable	mg/kg				

Chlorinated aliphatic compounds

Test Method: inhouse-method, Headspace (30 Min, 110°C), GC-MS, semi-quantitative determination against d8-toluene

EU: Regulation (EC) 1907/2006; Limit for preparations: 0,1%; no use of Hexachloroethane

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
1,1,1,2-Tetrachloroethane	630-20-6	1000	mg/kg	Hexachloroethane	67-72-1	no use	%
1,1,1-Trichloroethane	71-55-6	1000	mg/kg	Pentachloroethane	76-01-7	1000	mg/kg
1,1,2,2-Tetrachloroethane	79-34-5	1000	mg/kg	Tetrachloromethane	56-23-5	1000	mg/kg
1,1,2-Trichloroethane	79-00-5	1000	mg/kg	Trichloromethane	67-66-3	1000	mg/kg
1,1-Dichloroethylene	75-35-4	1000	mg/kg				

Chlorinated benzenes and toluenes

Test Method: DIN 54232

EU: Regulation (EC) 1907/2006; Limit for Trichlorobenzenes (1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and 1,3,5-Trichlorobenzene) in preparations: 0,1 %; no limit for consumer goods

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
1,2,3-Trichlorobenzene	87-61-6	0,1	%	1,3,5-Trichlorobenzene	108-70-3	0,1	%
1,2,4-Trichlorobenzene	120-82-1	0,1	%				

Chlorinated paraffins

Test Method: DIN EN ISO 18219 (mod.)

EU: Regulation (EC) 850/2004; Limit: 0,15 %

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Short-chain chlorinated paraffins C10 - C13 (SCCP)	85535-84-8	1500	mg/kg				

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Chlorinated phenols

Test Method: EPA 3545A or KOH-extraction, DIN EN ISO 17070 (mod.)

DE: ChemVerbotsV; Limit for PCP incl. salts and esters in consumer goods: 5 mg/kg

DK: BEK nr. 854 of 5 September 2009, Bekendtgørelse om forbud mod import, salg og eksport af varer, der indeholder pentachlorphenol: Limit for PCP incl. salts and esters in Verbraucherprodukten: 5 mg/kg

NL: Besluit van 23 september 1997, houdende vaststelling van het Warenwetbesluit Pentachloorfenol; Limit for PCP incl. salts and esters in consumer goods: 5 mg/kg

AT: Chem-VerbotsV 2003; Limit for PCP in finished goods: 5 mg/kg

NO: Regulation No. 922 of 1 June 2004, Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften); Limit PCP incl. salts and esters in textiles and leather: 5 mg/kg

SK: Decree 635/2005; Limits: PCP in textiles: 0,5 mg/kg; PCP in leather: adult 5 mg/kg, baby 0,5 mg/kg

CH: ChemRRV 814.81; Limit: no use of PCP and TeCP; Swiss authorities accept articles up to PCP/TeCP-contents of 5 mg/kg

EU: Regulation (EC) 1907/2006; Limit for PCP in preparations: 0,1 %; no limit for consumer goods

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Tetrachlorophenols, sum (TeCP)		5	mg/kg	2,3,5,6-Tetrachlorophenol	935-95-5	-	mg/kg
2,3,4,5-Tetrachlorophenol	4901-51-3	-	mg/kg	Pentachlorophenol (PCP)	87-86-5	0,5	mg/kg
2,3,4,6-Tetrachlorophenol	58-90-2	-	mg/kg				

Chromium VI in leather

Test Method: DIN EN ISO 17075-1

DE: BedGgstV; Limit for leather articles with skin contact: <3 mg/kg

EU: Regulation (EC) No 1907/2006; Limit for leather articles and leather parts of articles with skin contact: <3 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Chromium VI		<3	mg/kg				

Colorants

Test Method: EN 71-9/-10/-11

EU: Directive 2001/95/EC, 2009/48/EC; Limit acc. to EN 71-9: 10 mg/kg

CZ: Act No 84/2001: Limit for toys and baby products: no use of Acid Red 26, Basic Red 9, Disperse Blue 1, Solvent Yellow 1, Solvent Yellow 2, Solvent Yellow 3

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Acid Red 26	3761-53-3	10	mg/kg	Disperse Blue 3	2475-46-9	10	mg/kg
Acid Violet 49	1694-09-3	10	mg/kg	Disperse Orange 3	730-40-5	10	mg/kg
Basic Red 9	569-61-9	10	mg/kg	Disperse Orange 37/59/76	13301-61-6	10	mg/kg
Basic Violet 1	8004-87-3	10	mg/kg	Disperse Red 1	2872-52-8	10	mg/kg
Basic Violet 3	548-62-9	10	mg/kg	Disperse Yellow 3	2832-40-8	10	mg/kg
Disperse Blue 1	2475-45-8	10	mg/kg	Solvent Yellow 1	60-09-3	10	mg/kg
Disperse Blue 106	12223-01-7	10	mg/kg	Solvent Yellow 2	60-11-7	10	mg/kg
Disperse Blue 124	61951-51-7	10	mg/kg	Solvent Yellow 3	97-56-3	10	mg/kg

Colour Fastness / Bleeding

Test Method: EN 646 (paper, wood); BfR Recommendation B II IX Issue 07/1972 (Plastic, Rubber, Silicone)

FR: Direction Générale de la Concurrence, de la Consommation et de la Répression des Fraudes DGCCRF 2004-64

IT: Ministerial Decree of 21 March 1973; Decree of the Ministry of Health no 220 26.04.1993, no 338 22.07.1998 and no 174 24.09.2008

DE: §31 LFGB; no deterioration in the organoleptic characteristics of food

EU: Regulation (EC) 1935/2004; Articles with food contact shall not cause a deterioration in the organoleptic characteristics of food

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Colour Fastness / Bleeding		5	Grade				

Dimethylfumarate

Test Method: CEN ISO/TS 16186 (mod.)

EU: Regulation (EC) 1907/2006; Limit: 0,1 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Dimethylfumarate	624-49-7	0,1	mg/kg				

Dioxins and furans

Test Method: DIN EN 1948; VDI 3499

DE: ChemVerbotsV; Limits for different kongener groups (1 - 5)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Kongener Group 1		1	µg/kg	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (2)	57653-85-7	-	µg/kg
Kongener Group 1 + 2		5	µg/kg	1,2,3,7,8,9-Hexabromodibenzo-p-dioxin (5)	110999-46-7	-	µg/kg
Kongener Group 1 + 2 + 3		100	µg/kg	1,2,3,7,8,9-Hexachlorodibenzofuran (2)	72918-21-9	-	µg/kg
Kongener Group 4		1	µg/kg	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (3)	39001-02-0	-	µg/kg
Kongener Group 4 + 5		5	µg/kg	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (3)	3268-87-9	-	µg/kg
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (3)	39001-02-0	-	µg/kg	1,2,3,7,8-Pentabromodibenzofuran (5)	107555-93-1	-	µg/kg
1,2,3,4,6,7,8-Heptachlorodibenzofuran (3)	67652-39-5	-	µg/kg	1,2,3,7,8-Pentachlorodibenzofuran (2)	57117-41-6	-	µg/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (3)	35822-46-9	-	µg/kg	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1)	40321-76-4	-	µg/kg
1,2,3,4,7,8,9-Heptachlorodibenzofuran (3)	55673-89-7	-	µg/kg	2,3,4,6,7,8-Hexachlorodibenzofuran (2)	60851-34-5	-	µg/kg
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin (5)	110999-44-5	-	µg/kg	2,3,4,7,8-Pentabromodibenzofuran (4)	13116-92-2	-	µg/kg
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (2)	70648-26-9	-	µg/kg	2,3,4,7,8-Pentachlorodibenzofuran (1)	57117-31-4	-	µg/kg
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin (5)	110999-45-6	-	µg/kg	2,3,7,8-Tetrabromodibenzofuran (4)	67733-57-7	-	µg/kg
1,2,3,6,7,8-Hexachlorodibenzofuran (2)	57117-44-9	-	µg/kg	2,3,7,8-Tetrabromodibenzo-p-dioxin (4)	50585-41-6	-	µg/kg
				2,3,7,8-Tetrachlorodibenzofuran (1)	89059-46-1	-	µg/kg
				2,3,7,8-Tetrachlorodibenzo-p-dioxin (1)	1746-01-6	-	µg/kg

Dyestuffs

Test Method: DIN 54231, DIN EN 16711-1

CZ: Act No 84/2001; Limit for toys and baby products: no use of Acid Red 26, Basic Red 9, Disperse Blue 1, Solvent Yellow 1, Solvent Yellow 2, Solvent Yellow 3

DE: ProdSG, LFGB §30; BfR Recommendation No. 041/2012; Limit: 5 mg/L

EU: Directive 2001/95/EC

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Acid Red 26	3761-53-3	no use	mg/L	Disperse Orange 37/59/76	13301-61-6	5	mg/L
Basic Red 9	569-61-9	no use	mg/L	Disperse Red 1	2872-52-8	5	mg/L
Disperse Blue 1	2475-45-8	5	mg/L	Disperse Yellow 3	2832-40-8	5	mg/L
Disperse Blue 106	12223-01-7	5	mg/L	Solvent Yellow 1	60-09-3	no use	mg/L
Disperse Blue 124	61951-51-7	5	mg/L	Solvent Yellow 2	60-11-7	no use	mg/L
Disperse Blue 35	12222-75-2	5	mg/L	Solvent Yellow 3	97-56-3	no use	mg/L
Disperse Orange 3	730-40-5	5	mg/L				

Fastness to saliva and perspiration

Test Method: DIN 53160; grade 5 = no staining / no colour change, grade 1 = very strong staining / very strong colour change (grey scale acc. to DIN EN 20105-A02/03; ISO 105-A02/03)

CZ: Act No 84/2001; Limit is valid for toys and baby products: resistant against saliva and perspiration

DE: Recommendation of BfR XLVII (Federal Institute for Risk Assessment): Limit: Grade 5

SK: Decree 635/2005; Limit for baby textiles with skin contact: resistant against saliva and perspiration

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Fastness to saliva and perspiration		5	Grade				

Flame retardants

Test Method: DIN EN ISO 17881-1; DIN EN ISO 17881-2; DIN EN 62321-6 (mod.)

EU: Regulation (EC) 1907/2006; Limits: TRIS, TEPA, PBB in textiles: no use; Octabromodiphenyl ether in consumer products: 0,1%; (from 02.03.2019: Decabromodiphenylether in consumer products: <0,1%)

 EU: Regulation (EC) 850/2004; Limits: Tetra-, Penta-, Hexa-, Heptabromo diphenylether: 10 mg/kg; Hexabromocyclododecane (incl. α , β , γ): 0,01%; SCCP: 0,15%; Hexabromobiphenyl containing items are prohibited

 NO: Regulation No. 922 of 1st June 2004 (Produktforskriften); Limit for Decabromodiphenyl ether and Hexabromocyclododecane (incl. α , β , γ): <0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Decabromodiphenyl ether	1163-19-5	<0,1	%	Pentabromodiphenyl ether	32534-81-9 et al.	10	mg/kg
Heptabromodiphenyl ether	68928-80-3 et al.	10	mg/kg	Polybrominated Biphenyls (PBB)	59536-65-1	no use	mg/kg
Hexabromobiphenyl	36355-01-8 et al.	not detectable	mg/kg	Tetrabromodiphenyl ether	40088-47-9 et al.	10	mg/kg
Hexabromocyclododecane incl. α , β , γ (HBCDD)	25637-99-4	0,01	%	Tri-(2,3-dibromopropyl)-phosphate (TRIS)	126-72-7	no use	mg/kg
Hexabromodiphenyl ether	36483-60-0 et al.	10	mg/kg	Tris-(azoridiny)-phosphinoxid (TEPA)	545-55-1	no use	mg/kg
Octabromodiphenyl ether	32536-52-0 et al.	0,1	%				

Flame retardants (RoHS)

Test Method: DIN EN ISO 17881-1; DIN EN ISO 17881-2; DIN EN 62321-6 (mod.)

EU: Directive 2011/65/EU; Limit PBB, PBDE: 0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Polybrominated Biphenyls (PBB)	59536-65-1	0,1	%	Nonabromodiphenyl ether	63387-28-0	-	%
Polybrominated diphenyl ether (PBDE)		0,1	%	Octabromodiphenyl ether	32536-52-0 et al.	-	%
Decabromodiphenyl ether	1163-19-5	-	%	Pentabromodiphenyl ether	32534-81-9 et al.	-	%
Heptabromodiphenyl ether	68928-80-3 et al.	-	%	Tetrabromodiphenylether	40088-47-9 et al.	-	%
Hexabromodiphenyl ether	36483-60-0 et al.	-	%	Tribromodiphenyl ether	49690-94-0 et al.	-	%

Flammable and highly flammable substances

Test Method: inhouse-method, Headspace (30 Min, 110°C), GC-MS, semi-quantitative determination against d8-toluene

EU: Regulation 1907/2006; no use of substances, that are marked as flammable and highly flammable acc. to Regulation (EC) No 1272/2008, in decoration articles (e.g. metallic glitter for festivities, artificial snow, evanescent bubbles and flakes, artificial cobwebs, streamers, stink bombs)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Flammable and highly flammable substances		not detectable	mg/kg				

Fluorinated Greenhouse Gases

Test Method: in-house method, headspace (15 min at 70 °C) and qualitative determination via GC-MSD

EU: Regulation (EU) Nr. 517/2014; Limit: not detectable; refers e.g. to footwear, windows, tyres, refrigerators, freezers, room air-conditioning, spray cans

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Partially Fluorinated Hydrocarbons HFC		not detectable	mg/kg	Sulfurhexafluoride SF6	2551-62-4	not detectable	mg/kg
Perfluorinated Hydrocarbons		not detectable	mg/kg				

Baumarkt direkt, Bon Prix, Collins (About you, Edited), Frankonia, Heine, Manufactum, Media, myToys.de, OTTO/BAUR, Schwab, Sport-Scheck, Unito, Witt Weiden

For countries: EU (incl. CH, NO)

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Formaldehyde

Test Method: DIN EN 13130-1 and DIN CEN/TS 13130-23 (plastic); EN 645 and DIN EN 1541 (paper); DIN EN ISO 14184 (textiles)
 Test Method: DIN EN ISO 14184-1; DIN EN ISO 17226-1/-2 (textile and leather); EN 717-3 (wood); EN 645 and DIN EN 1541 (paper)
 AT: Formaldehydverordnung; Mandatory labelling of textiles with skin contact at > 1500 mg/kg
 NL: Decree formaldehyde in textiles (Warenwetbesluit formaldehyde in textiel), Decision of 22. March 2001; Limit for articles with skin contact: 120 mg/kg
 NO: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften); Limits: textiles with skin contact: 100 mg/kg, textiles for children < 3 years: 30 mg/kg
 SK: Decree 635/2005; Limits adults: leather: 150 mg/kg, textile: 75 mg/kg; Limits children <3 years: leather: 50 mg/kg, textile: 20 mg/kg
 DE: BedGgstV; ChemVerbotsV; Mandatory labelling of textiles with skin contact at > 1500 mg/kg; Limit in timber products (Emission): 0,1 ml/m³ (ppm)
 DE: BedGgstV; Mandatory labelling of textiles with skin contact at > 1500 mg/kg
 DE: Recommendation of BfR No. XXXVI for paper, cardboards and paperboards with food contact; Limit: 1 mg/dm²
 EU: Regulation (EU) No. 284/2011, valid for melamin kitchenware from China only; Baby cutlery and feeding utensils made of plastic/wood acc. to DIN EN 14372; Migration limit: 15 mg/kg
 CZ: Act No 84/2001; Limit for toys and children's products with intended mouth contact, food contact or for children <3 years: 30 mg/kg
 DK: BEK 289 af 22/06/1983; Limit in timber products 0,15 mg/m³
 FR: Notification 97/0141/F; Limit for articles with skin contact: 100 mg/kg
 AT: PSG 2004; Formaldehydverordnung; Mandatory labelling of textiles with skin contact at > 1500 mg/kg; Limit in timber products (Emission): 0,1 ml/m³
 FI: Decree 233/2012; Limit in articles for children < 2 years (e.g. bedding, napkins, garments, toys): 30 mg/kg; Limit in textiles for children > 2 Jahren and adults with skin contact: 100 mg/kg; Limit for textiles without direct skin contact: 300 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Formaldehyde in indoor timber products	50-00-0	0,1	ml/m ³	Formaldehyde migration	50-00-0	15	mg/kg
Formaldehyde in indoor timber products	50-00-0	0,15	mg/m ³	Formaldehyde	50-00-0	20	mg/kg
Formaldehyde in paper	50-00-0	1	mg/dm ²				

Formamide

Test Method: DIN CEN ISO/TS 16189 (mod)
 EU: Directive 2009/48/EC; Limit for foams: 200 mg/kg; if exceeding this limit an emission limit of 20 µg/m³ is valid

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Formamide	75-12-7	200	mg/kg				

Global migration

Test Method: DIN EN 1186
 DE Requirement: BedGgstV; BfR Recommendation XXI for commodities made of synthetic and natural rubber; Limits: depends on the product category and test conditions
 EU: Regulation (EC) No. 10/2011; Limit for plastic articles: 10 mg/dm² food contact surface, articles for babies and children <3 years: 60 mg/kg food simulant
 FR: Decree of 25 November 1992 relating to materials and silicone elastomers objects placed or intended to be in contact with foodstuffs, food products and beverages; globalmigration 10 mg/dm²
 CH: Directive 817.023.21, EDI; Limit for plastics and silicone: 10 mg/dm² and 60 mg/kg food simulant respectively

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Article per surface		10	mg/dm ²	Articles for children <3 years		60	mg/kg

Harmful Substances

Test Method: inhouse-method; Extraction in organic solvent, detection by GC-MSD, identification of gc-capable organic compounds after alignment in a reference mass spectra library, semi quantitative determination
 EU: Regulation (EC) 1907/2006; Substances which are classified as carcinogenic, mutagenic or toxic for reproduction of categorie 1A, 1B or 2 under regulation (EC) 1272/2008 shall not be used as substance, part of other substances or in mixtures above the specific or general concentration limit.
 EU: Regulation (EC) 1907/2006; Substances which are classified as harmful under regulation (EC) 1272/2008 shall not be used in ornamental articles, tricks, jokes and games.

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Harmful Substances acc. to CLP Regulation		no use	%				

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Impurities in finger paints

EU: Directive 2009/48/EC; Limits acc. to EN 71-7

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Benzo(a)pyrene*	50-32-8	0,05	mg/kg	Polychlorinated biphenyls PCB	1336-36-3	2	mg/kg
Hexachlorobenzene	118-74-1	5	mg/kg				

Isocyanates

Test Method: inhouse-method; Extraction with organic solvent, LC-MS

EU: Regulation 1907/2006; Limit for preparations: 0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Methylene diphenyl diisocyanate (MDI) incl. isomers	26447-40-5 etc.	0,1	%				

Mercaptobenzothiazole

Test method: in-house method; extraction with organic solvent, detection via LC-MS/MS

Test Method: EN 14350-2; EN 1400

EU: Directive 2001/95/EC; EN 1400; EN 14350; Limit for soother and for child drinking equipment made of elastomers: 8 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Mercaptobenzothiazole	149-30-4	8	mg/kg				

Metal migration, metallic articles

Test Method: DIN EN 13130-1; DIN EN 17294-2

CH: Regulation 817.023.21; Limit for Aluminium: 10 mg/L, valid for metal articles used for production of fruit or vegetable juice

EU: Regulation (EC) No 1935/2004; Guideline "Metals and alloys used in food contact materials and articles - A practical guide for manufacturers and regulators 1st Edition 2013"; DIN EN 16889 for hot beverage appliances

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Aluminium	7429-90-5	10	mg/L	Lead	7439-92-1	0,01	mg/kg
Aluminum	7429-90-5	5	mg/kg	Lithium	7439-93-2	0,048	mg/kg
Antimony	7440-36-0	0,04	mg/kg	Manganese	7439-96-5	1,8	mg/kg
Arsenic	7440-38-2	0,002	mg/kg	Mercury	7439-97-6	0,003	mg/kg
Barium	7440-39-3	1,2	mg/kg	Molybdenum	7439-98-7	0,12	mg/kg
Beryllium	7440-41-7	0,01	mg/kg	Nickel	7440-02-0	0,14	mg/kg
Cadmium	7440-43-9	0,005	mg/kg	Silver	7440-22-4	0,08	mg/kg
Chromium	7440-47-3	0,25	mg/kg	Thallium	7440-82-0	0,0001	mg/kg
Cobalt	7440-48-4	0,02	mg/kg	Tin	7440-31-5	100	mg/kg
Copper	7440-50-8	4,0	mg/kg	Vanadium	7440-62-2	0,01	mg/kg
Iron	7439-89-6	40	mg/kg	Zinc	7440-66-6	5,0	mg/kg

Metal migration, plastics, rubber, printings

Test Method: DIN EN 13130-1; DIN EN 17294-2

EU: Regulation (EU) No. 10/2011 Annex II No 1; Limit for Zinc up to 13.09.2018: 25 mg/kg; Limit for Aluminium valid from 14.09.2018; Limit for Nickel valid from 19.05.2019

CH: Regulation 817.023.21

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Aluminum	7429-90-5	1	mg/kg	Lithium	7439-93-2	0,6	mg/kg
Barium	7440-39-3	1	mg/kg	Manganese	7439-96-5	0,6	mg/kg
Cobalt	7440-48-4	0,05	mg/kg	Nickel	7440-02-0	0,02	mg/kg
Copper	7440-50-8	5	mg/kg	Zinc	7440-66-6	5	mg/kg
Iron	7439-89-6	48	mg/kg				

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Metal release / prolonged skin contact

Test Method: DIN EN 1811; DIN EN 12472; EN 16128

EU: Definition prolonged skin contact: 10 minutes on three or more occasions within two weeks respectively 30 minutes on one or more occasions within two weeks.

EU: Regulation (EC) 1907/2006; Limit for jewellery or accessories with direct and prolonged skin contact: 0,5 µg/cm²/week; assemblies for pierced body parts (piercings): 0,2 µg/cm²/week

EU: Regulation (EC) 1907/2006; Limit for articles with direct and prolonged skin contact: 0,5 µg/cm²/week

EU: Directive 2001/95/EG, Limit acc. to DIN EN 14372 for baby crockery and cutlery: 0,5 µg/cm²/week

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Nickel, for piercings	7440-02-0	0,2	µg/cm ² /week	Nickel	7440-02-0	0,5	µg/cm ² /week

Metal release, ceramic/glass

Test Method: § 64 LFGB B 80.03-1/-2/-3/-4; DIN EN 1388

FR: Recommendation of DGCCRF; Limit Aluminium 1 mg/kg, Cobalt 0,02 mg/kg, Arsenic not detectable

DE: BedGgStV; § 31 LFGB; Limits additional to EU: Articles that cannot be filled <25mm: 0,1 mg/dm² Cobalt; Articles which can be filled: 0,01 mg/L Cobalt; Articles with capacity >3L: 0,1 mg/L Cobalt; Drinking rim: 2 mg/article Lead, 0,2 mg/article Cadmium, 0,05 mg/article Cobalt

PL: PN-B 13210; Limits divergent and additional to EU: Articles which can be filled: 2 mg/L Lead; Articles which can be filled >3L: 1 mg/L Lead; Drinking rim: 2 mg/article Lead, 0,2 mg/article Cadmium

AT: Keramik-Verordnung; Limits additional to EU: Articles <1 L volume: 3 mg/article Zinc, 1 mg/article Antimony, 1 mg/article Barium; Articles >1 L volume: 3 mg/L Zinc, 1 mg/L Antimony, 1 mg/L Barium

EU: Directive 84/500/EEC; Limits: Articles that cannot be filled <25mm: 0,8 mg/dm² Lead, 0,07 mg/dm² Cadmium; Articles which can be filled: 4 mg/L Lead, 0,3 mg/L Cadmium; Articles with capacity >3L: 1,5 mg/L Lead, 0,1 mg/L Cadmium

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Antimony - fillable articles <1L	7440-36-0	1	mg/article	Lead - fillable articles	7439-92-1	1,0	mg/L
Antimony - fillable articles >1L	7440-36-0	1	mg/L	Lead - flatware up to 25 mm	7439-92-1	0,8	mg/dm ²
Barium - fillable articles <1L	7440-39-3	1	mg/article	Zinc - fillable articles <1L	7440-66-6	3	mg/article
Barium - fillable articles >1L	7440-39-3	1	mg/L	Zinc - fillable articles >1L	7440-66-6	3	mg/L
Cadmium - drinking seam	7440-43-9	0,2	mg/article	Aluminum	7429-90-5	1	mg/kg
Cadmium - fillable articles	7440-43-9	0,1	mg/L	Antimony	7440-36-0	-	mg/kg
Cadmium - flatware up to 25 mm	7440-43-9	0,07	mg/dm ²	Arsenic	7440-38-2	not detectable	mg/kg
Cobalt - drinking seam	7440-48-4	0,05	mg/article	Barium	7440-39-3	-	mg/kg
Cobalt - fillable articles	7440-48-4	0,01	mg/L	Cobalt	7440-48-4	0,02	mg/kg
Cobalt - non-fillable articles	7440-48-4	0,1	mg/dm ²	Zinc	7440-66-6	-	mg/kg
Lead - drinking seam	7439-92-1	2,0	mg/article				

Metals in batteries

Test Method: Acid digestion and ICP-MS detection

EU: Directive 2006/66/EC; Limit for Cadmium 0,002%, Mercury 0,0005%; Mandatory marking for Lead from 0,004%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Cadmium	7440-43-9	0,002	%	Mercury	7439-97-6	0,0005	%
Lead	7439-92-1	0,004	%				

Metals in electronic devices (RoHS)

Test Method: EN 62321

EU: Directive 2011/65/EU; Limits: Lead 0,1%, Cadmium 0,01%, Chromium VI 0,1%, Mercury 0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Cadmium	7440-43-9	0,01	%	Lead	7439-92-1	0,1	%
Chromium VI		0,1	%	Mercury	7439-97-6	0,1	%

Metals, extractable in hydrochloric acid

Test Method: EN 14372; EN 14350-2; EN 1400 / EN 71-3

Test Method: EN 71-3

FR: Decree of 25 November 1992 relating to materials and silicone elastomers objects placed or intended to be in contact with foodstuffs, food products and beverages; heavy metals extractable in hydrochloric acid: Antimony: 50 mg/kg; Arsenic, Barium, Lead, Cadmium: 100 mg/kg; Mercury: 5 mg/kg

EU: Directive 2001/95/EC; Requirements for baby and infant articles EN 1400 (soothers), EN 14372 (cutlery and feeding utensils) and EN 14350 (articles for drinking equipment)

EU: Directive 2009/48/EC; Limits depending on toy material category I to III acc. to EN 71-3

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Baby crockery and cutlery		EN 14372	mg/kg	Cadmium	7440-43-9	100	mg/kg
Baby drinking equipment		EN 14350-1	mg/kg	Cobalt	7440-48-4	-	mg/kg
Heavy metals in toy materials		EN 71-3	mg/kg	Copper	7440-50-8	-	mg/kg
Soother		EN 1400	mg/kg	Lead	7439-92-1	100	mg/kg
Aluminum	7429-90-5	-	mg/kg	Manganese	7439-96-5	-	mg/kg
Antimony	7440-36-0	50	mg/kg	Mercury	7439-97-6	5	mg/kg
Arsenic	7440-38-2	100	mg/kg	Nickel	7440-02-0	-	mg/kg
Barium	7440-39-3	100	mg/kg	Organic tin		-	mg/kg
Boron	7440-42-8	-	mg/kg	Selenium	7782-49-2	-	mg/kg
Chromium	7440-47-3	-	mg/kg	Strontium	7440-24-6	-	mg/kg
Chromium III		-	mg/kg	Tin	7440-31-5	-	mg/kg
Chromium VI		-	mg/kg	Zinc	7440-66-6	-	mg/kg

Metals, extractable in perspiration

Test Method: EN 16711-2 / DIN EN ISO 17072-1; ISO 11083 / DIN EN ISO 105-E04 (Chromium VI in textile)

CZ: Act No 84/2001; Limits are valid for toys and baby products

SK: Decree 635/2005; Limits are valid for textiles and leather with skin contact

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Antimony	7440-36-0	30	mg/kg	Cobalt	7440-48-4	1,0	mg/kg
Arsenic	7440-38-2	0,2	mg/kg	Copper	7440-50-8	25	mg/kg
Cadmium	7440-43-9	0,1	mg/kg	Lead	7439-92-1	0,2	mg/kg
Chromium	7440-47-3	1,0	mg/kg	Mercury	7439-97-6	0,02	mg/kg
Chromium VI		not detectable	mg/kg	Nickel	7440-02-0	1,0	mg/kg

Metals, total content

Test Method: EPA 3015A, DIN EN ISO 17294-2, DIN EN 16711-1

EU (Arsenic): Regulation (EC) 1907/2006; Ban of the wood which was treated with arsenic compounds

EU (Lead): Regulation (EC) 1907/2006; no use of lead carbonates and sulfates; no use of lead in wood preservatives; Limits: in jewellery: 0,05%; articles or accessible parts thereof, which can be placed in the mouth by children: 0,05% or $\leq 0,05 \mu\text{g}/\text{cm}^2/\text{h}$

EU (Mercury): Regulation 1907/2006; no use in wood preservatives and measuring instruments (like thermometers or barometers)

CH (Lead): Regulation 817.023.41, Limit: 0,05%

CH: Regulation 817.023.21; Limits: 0,05% Lead (0,01% for tin articles); 0,01% Cadmium; 0,03% Arsenic

DK (Cadmium): BEK 858 af 05/09/2009; general ban of cadmium containing products, Limit: 75 mg/kg

NO (Mercury): Regulation No. 922 of 1st June 2004 (Produktforskriften); Limit 10 mg/kg

DK (Lead): BEK 856 af 05/09/2009; general ban of lead containing products, Limit: 100 mg/kg

CH (Cadmium): Regulation 817.023.41, Limit: 0,01%

DK (Mercury): BEK nr 73 af 25/01/2016; general ban of mercury containing products, Limit: 100 mg/kg

EU (Cadmium): Regulation (EC) 1907/2006; Limits: in varnish and paints (on article): 0,1%; in plastics: 100 mg/kg, in metal/alloys of jewellery/decorative elements: 100 mg/kg

SE (Mercury): Förordning SFS 1998:944; Prohibition of mercury containing products

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Arsenic	7440-38-2	300	mg/kg	Lead	7439-92-1	100	mg/kg
Cadmium	7440-43-9	75	mg/kg	Mercury	7439-97-6	10	mg/kg

Monomers migration for infant products

Test Method: DIN EN 13130-1, CEN/TS 13130-13

EU: Directive 2001/95/EC; Requirements for baby and infant articles EN 1400 (soother), EN 14372 (cutlery and feeding utensils) and EN 14350 (articles for drinking equipment); Strictest limit: 0,03 mg/L Bisphenol A; 0,375 mg/L Formaldehyde

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Bisphenol A / BPA	80-05-7	0,03	mg/L	Formaldehyde	50-00-0	0,375	mg/L

Monomers, migration toys

Test Method: EN 71-9/-10/-11

EU (Bisphenol A): Directive 2009/48/EC; Limit for toys for children < 3 years or in other toys intended to be placed in the mouth : 0,1 mg/L (migration). Limit from 26.11.2018: 0,04 mg/L

EU: Directive 2001/95/EC, 2009/48/EC, EN 71-9; Limit for Phenol up to 03.11.2018: 15 mg/L

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Acrylamide	79-06-1	0,02	mg/L	Phenol	108-95-2	5	mg/L
Bisphenol A / BPA	80-05-7	0,04	mg/L	Styrene	100-42-5	0,75	mg/L
Formaldehyde	50-00-0	2,5	mg/L				

Nitrosamines

Test method: DIN EN 12868; DIN EN 71-12

Test Method: EN 71-12

EU: Directive 2009/48/EG; Limit Nitrosamines: 0,02 mg/kg (finger paints) and 0,05 mg/kg (toys); Nitrosatable substances: 1 mg/kg

DK: BEK 5 af 05/01/2016; Limits for pacifiers and rubber teats: Nitrosamines 10 µg/kg, Nitrosatable Substances 100 µg/kg

EU: Directive 93/11/EEC; Resolution ResAP(2004)4; N 1400; EN 14372; EN 14350-2; Limit for nitrosoamines 0,01 mg/kg; limit for nitrosatable substances 0,1 mg/kg

NO: Regulation No. 922 of 1st June 2004 (Produktforskriften); Limits for pacifiers: Nitrosamines 0,01 mg/kg, Nitrosatable Substances 0,1 mg/kg

DE: BedGgstV; Limits: Toys for children < 3 years, rubber teats and soothers: Nitrosamines: 0,01 mg/kg; Nitrosatable substances: 0,1 mg/kg; Balloons: Nitrosamines: 0,05 mg/kg; Nitrosatable substances: 1 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
N-Nitrosamines		0,01	mg/kg	N-Nitrosodiisopropylamine (NDiPA)	601-77-4	-	mg/kg
N-Nitrosatable substances		0,1	mg/kg	N-Nitrosodimethylamine (NDMA)	62-75-9	-	mg/kg
N-Nitrosodibenzylamine (NDBZA)	5336-53-8	-	mg/kg	N-Nitrosodipropylamine (NDPA)	621-64-7	-	mg/kg
N-Nitrosodibutylamine (NDBA)	924-16-3	-	mg/kg	N-Nitrosomorpholine (NMOR)	59-89-2	-	mg/kg
N-Nitrosodiethanolamine (NDELA)	1116-54-7	-	mg/kg	N-Nitroso-N-ethyl-N-phenylamine (NEPhA)	612-64-6	-	mg/kg
N-Nitrosodiethylamine (NDEA)	55-18-5	-	mg/kg	N-Nitroso-N-methyl-N-phenylamine (NMPPhA)	614-00-6	-	mg/kg
N-Nitrosodiisobutylamine (NDiBA)	997-95-5	-	mg/kg	N-Nitrosopiperidine (NPIP)	100-75-4	-	mg/kg
N-Nitrosodiisononylamine (NDiNA)	1207995-62-7	-	mg/kg	N-Nitrosopyrrolidine (NPYR)	950-55-2	-	mg/kg

Organophosphates: Flame Retardants

Test Method: EN 71-9/-10/-11

EU: Directive 2009/48/EC; Limit for toys for children < 3 years or toys intended to be placed in the mouth: 5 mg/kg.

EU: Directive 2001/95/EC, 2009/48/EC; Limit acc. to EN 71-9: toys for children < 3 years: 50 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Tri-o-cresylphosphate	78-30-8	50	mg/kg	Tris(2-chlorethyl)-phosphate (TCEP)	115-96-8	5	mg/kg
Tris(1,3-dichloroisopropyl) phosphate (TDCP)	13674-87-8	5	mg/kg	Tris(2-chloroisopropyl)phosphat TCPP	13674-84-5	5	mg/kg

Organophosphates: Plasticizer, migration

Test Method: EN 71-9/-10/-11

EU: Directive 2001/95/EC, 2009/48/EC; Limit acc. to EN 71-9: 0,03 mg/L

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Tri-m-cresylphosphate	563-04-2	0,03	mg/L	Tri-p-cresylphosphate	78-32-0	0,03	mg/L
Tri-o-cresylphosphate	78-30-8	0,03	mg/L	Triphenylphosphate	115-86-6	0,03	mg/L

Organotin compounds

Test Method: CEN/TS 16179 (mod.)

Test Method FR: DIN EN 13130-1, CEN/TS 16179 (mod.)

FR: Decree of 25 November 1992 relating to materials and silicone elastomers objects placed or intended to be in contact with foodstuffs, food products and beverages; Limit Organotin migration: <0,1 mg/kg tin

EU: Regulation (EC) 1907/2006; DBT: Limit: 0,1 % tin; DOT: Limit for textile articles with skin contact, gloves, shoes, wall and floor covering, baby articles, women care articles, nappies: 0,1 % tin; Trisubstituted organostannic compounds (i.a. TBT, TPHT): Limit: 0,1 % tin

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Organotin, migration		0,1	mg/kg	Dioctyltin DOT		1000	mg/kg
Trisubstituted organotin compounds, sum		1000	mg/kg	Tributyltin TBT		-	mg/kg
Dibutyltin DBT		1000	mg/kg	Triphenyltin TPHT		-	mg/kg

Ozone depleting substances

Test Method: inhouse-method, Headspace (30 Min, 110°C), GC-MS, semi-quantitative determination against d8-toluene

EU: Regulation (EC) 1005/2009; placing on the market of products that contain controlled substances is prohibited; refers to e.g. fridges, spray cans

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Fluorochlorohydrocarbons (CFC)		not detectable	%	Halons (HC)		not detectable	%

Packaging, additional requirements

Test Method: DIN EN 62321-4/-5 / EPA 3050B / DIN EN ISO 17294-2 / DIN EN ISO 17075 (Heavy metals); CEN ISO/TS 16186 (mod.) (Dimethylfumarate); X-ray fluorescence analysis (RFA) (Cobalt dichloride)

EU (Heavy metals): Directive 94/62/EC; Limit: sum lead, cadmium, mercury, chromium VI: 100 mg/kg

DE: VerpackV; Limit: sum lead, cadmium, mercury, chromium VI: 100 mg/kg; ProdSG; LFGB §30

EU (Dimethylfumarate): Regulation (EC) 1907/2006; Limit 0,1 mg/kg

EU (Cobaltdichloride): Directive 2001/95/EC

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Cobalt dichloride in desiccation bags		no use	%	Cobalt dichloride	7646-79-9	-[no use	%
Dimethylfumarat in desiccation bags		0,1	mg/kg	Dimethylfumarate	624-49-7	0,1	mg/kg
Sum Lead, Cadmium, Chromium VI, Mercury		100	mg/kg	Lead	7439-92-1	-	mg/kg
Cadmium	7440-43-9	-	mg/kg	Mercury	7439-97-6	-	mg/kg
Chromium VI		-	mg/kg				

PCB, PCT and halogenated Phenylmethanes

Test Method: EPA M 8270C; 3545

EU: Regulation (EC) 1907/2006; Limits:DBBT, Ugilec 121 or 21, Ugilec 141: not detectable; PCT in preparations: 50 mg/kg

EU: Regulation (EC) 850/2004; PCB containing articles are prohibited

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Monomehtylidichlorodiphenylmethane Ugilec 121 or 21		not detectable	mg/kg	Polychlorinated biphenyls PCB	1336-36-3	not detectable	mg/kg
Monomethylidibromodiphenylmethane DBBT	99688-47-8	not detectable	mg/kg	Polychlorinated terphenyls PCT	61788-33-8	50	mg/kg
Monomethyltetrachlorodiphenylmethane Ugilec 141	76253-60-6	not detectable	mg/kg				

Perfluorinated compounds (PFC)

Test Method: DIN CEN/TS 15968 (mod.)

EU: Regulation (EC) No 850/2004; Limits: PFOS (and its derivatives) for coated articles: < 1 µg/m², for other articles: 0,1%

NO: Regulation 1. June 2004 No.922 (Product Regulation); Limits PFOA and individual salts and esters: for textiles, floor carpeting and coated products: <1 µg/m²; other products: <0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Perfluorooctane sulfonate PFOS (C8)	1763-23-1	<1	µg/m²	Perfluorooctanoic acid PFOA (C8) incl. salts and esters	335-67-1	<1	µg/m²

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For countries: EU (incl. CH, NO)

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Pesticides

Test Method: EPA M 8270C; EPA 3545A (mod.)

EU: Regulation (EC) 850/2004; Articles may not contain substances from annex I

CH: ChemRRV 814.81; Consumer products that contain DDT are not marketable

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
1,1,1-Trichlor-2,2-bis-(4-chlorophenyl)ethane (DDT) und isomeres	50-29-3	not detectable	mg/kg	Endrine	72-20-8	not detectable	mg/kg
a-Hexachlorocyclohexane	319-84-6	not detectable	mg/kg	Heptachlor	76-44-8	not detectable	mg/kg
Aldrine	309-00-2	not detectable	mg/kg	Hexachlorobenzene	118-74-1	not detectable	mg/kg
b-Hexachlorocyclohexane	319-85-7	not detectable	mg/kg	Hexachlorobutadiene	87-68-3	not detectable	mg/kg
Chlordane cis	5103-71-9	not detectable	mg/kg	Kepone / Chorodecone	143-50-0	not detectable	mg/kg
Chlordane trans	5103-74-2	not detectable	mg/kg	Lindan	58-89-9	not detectable	mg/kg
DDT ortho, para	789-02-6	not detectable	mg/kg	Mirex	2385-85-5	not detectable	mg/kg
d-Hexachlorocyclohexane	319-86-8	not detectable	mg/kg	other Hexachlorocyclohexane (isomers)	608-73-1	not detectable	mg/kg
Dieldrine	60-57-1	not detectable	mg/kg	Pentachlorobenzene	608-93-5	not detectable	mg/kg
Endosulfan alpha	959-98-8	not detectable	mg/kg	Polychlorinated naphthalenes		not detectable	mg/kg
Endosulfan beta	33213-65-9	not detectable	mg/kg	Toxaphene	8001-35-2	not detectable	mg/kg

Phenylmercury compounds

Test Method: EPA 3015 A, DIN EN ISO 17294-2, DIN EN 16711-1; solvent extraction GC/MS

EU: Regulation (EC) 1907/2006; Limit 0,01% (calculated in mercury)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Phenylmercury compounds		0,01	%	Phenylmercury neodecanoate	26545-49-3	-	%
Phenylmercury 2-ethylhexanoate	13302-00-6	-	%	Phenylmercury octanoate	13864-38-5	-	%
Phenylmercury acetate	62-38-4	-	%	Phenylmercury propionate	103-27-5	-	%

Phthalates - Plasticizers

Test Method: DIN EN ISO 14389 (mod.); DIN EN 14372

Test Method: DIN EN ISO 14389 (mod.)

EU: Regulation (EC) 1907/2006; Limit for toys and child products; Sum (DEHP, BBP, DBP) = 0,1%; Sum (DNOP, DIDP, DINP) = 0,1%

DK: Statutory Order no. 855 of 5th September 2009, Limits fo toys and child products: 0,05% (Except DEHP, BBP, DBP, DNOP, DIDP, DINP)

EU: Regulation (EC) 1907/2006; Limit for toys and childcare articles; Sum (DEHP, BBP, DBP) = 0,1%; Sum (DNOP, DIDP, DINP) = 0,1%

EU: Directive 2011/65/EU (RoHS); Limit for DEHP, BBP, DBP, DIBP: each 0,1%; valid for electrical articles from 19.07.2019

EU: Directive 2001/95/EG; Limit for baby cutlery and crokery acc. to EN 14372: Sum (DEHP, BBP, DBP, DNOP, DIDP, DINP) = 0,1%
Regulation (EC) 1907/2006; Limit for toys and child products; Sum (DEHP, BBP, DBP) = 0,1%; Sum (DNOP, DIDP, DINP) = 0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
DEHP, BBP, DBP, DIPB (RoHS)		0,1	%	Di-(2-ethylhexyl)-phthalate / DEHP	117-81-7	-	%
DEHP, DBP, BBP - sum		0,1	%	Dibutyl phthalate / DBP	84-74-2	-	%
DEHP, DBP, BBP, DINP, DIDP, DNOP - sum		0,1	%	Di-iso-butylphthalate / DIBP	84-69-5	-	%
DINP, DIDP, DNOP - Sum		0,1	%	Di-iso-decylphthalate / DIDP	26761-40-0; 68515-49	-	%
Phthalates, further		0,05	%	Di-iso-nonylphthalate / DINP	28553-12-0 et al	-	%
Butylbenzyl phthalate / BBP	85-68-7	-	%	Di-n-octylphthalate / DNOP	117-84-0	-	%

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For countries: EU (incl. CH, NO)

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pH-value

Test Method: DIN EN ISO 3071 (textiles, down and feathers); DIN EN ISO 4045 (leather)

CZ: Act No 84/2001; Limit for toys and baby products: textile: 4,0 - 7,5; leather: 3,5 - 8,5

EU: Directive 2009/48/EC; Limit according to EN 71-7: 4,0 - 10,0; according to EN 71-9: 3,0 - 10,0

EU: Directive 89/686/EEC; Limit according to EN 420: 3,5 - 9,5

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
pH-value		4,0 - 9,5	pH	pH-value in textiles		4,0 - 7,5	pH
pH-value in leather		3,5 - 8,5	pH				

Polycyclic Aromatic Hydrocarbons PAH

Test Method: AfPS GS 2014:01 PAK

EU: Regulation (EC) 1907/2006; No use of extender oils for the production of tyres and parts of them if they exceed the following values: Polycyclic aromatic hydrocarbons PAH - sum: 10 mg/kg or Benzo(a)pyrene: 1 mg/kg.

EU: Regulation (EC) 1907/2006; Limits for consumer goods with direct and prolonged or short-term repetitive skin/oral cavity contact. Adults: 1 mg/kg; Children: 0,5 mg/kg (8 cancerogenic PAHs marked with *)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Benzo(a)anthracene*	56-55-3	0,5	mg/kg	Benzo(j)fluoranthene*	205-82-3	0,5	mg/kg
Benzo(a)pyrene*	50-32-8	0,5	mg/kg	Benzo(k)fluoranthene*	207-08-9	0,5	mg/kg
Benzo(b)fluoranthene*	205-99-2	0,5	mg/kg	Chrysene*	218-01-9	0,5	mg/kg
Benzo(e)pyrene*	192-97-2	0,5	mg/kg	Dibenzo(a,h)anthracene*	53-70-3	0,5	mg/kg

Preservatives

Test Method: EN 71-9/-10/-11

Test Method: DIN EN ISO 13365 (mod.)

EU: Directive 2009/48/EC; Limit: 2-Methylisothiazolin-3(2H)-one 0,25 mg/kg; 5-Chloro-2-methylisothiazolin-3(2H)-one 0,75 mg/kg; reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one und 2-Methyl-2H-isothiazol-3-one 1 mg/kg; 1,2-Benzisothiazol-3(2H)-one 5 mg/kg, valid for aqueous toy materials

EU: Directive 2001/95/EC, Richtlinie 2009/48/EC, EN 71-9

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Sum 5-Chlor-2-methyl-4-isothiazolin-3-on + 2-Methyl-4-isothiazolin-3-on		1	mg/kg	5-Chlor-2-methyl-4-isothiazolin-3-on	26172-55-4	0,75	mg/kg
1,2-Benzisothiazol-3-on	2634-33-5	5	mg/kg	Formaldehyde	50-00-0	0,05	%
2-Methyl-4-isothiazolin-3-on	2682-20-4	0,25	mg/kg	Phenol	108-95-2	10	mg/kg

Primary aromatic amines in toys

Test Method: EN 71-9/-10/-11

Test Method: EN 71-7

EU: Directive 2001/95/EC, 2009/48/EC; Limit acc. to EN 71-9: 5 mg/kg

EU: Directive 2009/48/EC; Limits acc. to EN 71-7: Sum of all amines: 20 mg/kg; 10 mg/kg per amine; Benzidine, 2-Naphthylamine, 4-Chlor-2-methylaniline, 4-Aminobiphenyl must not be detectable

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Primary aromatic amines, sum		20	mg/kg	4,4'-Oxydianilin	101-80-4	10	mg/kg
2,4,5-Trimethylaniline	137-17-7	10	mg/kg	4,4'-Thiodianiline	139-65-1	10	mg/kg
2,4-Diaminoanisole	615-05-4	10	mg/kg	4-Amino-3-fluorophenol	399-95-1	10	mg/kg
2,4-Tolylendiamine	95-80-7	10	mg/kg	4-Aminobiphenyle	92-67-1	not detectable	mg/kg
2,4-Xylidine	95-68-1	10	mg/kg	4-Chloro-o-toluidine	95-69-2	not detectable	mg/kg
2,6-Xylidine	87-62-7	10	mg/kg	6-Amino-2-ethoxynaphtaline	293733-21-8	10	mg/kg
2-Amino-4-nitrotoluene	99-55-8	10	mg/kg	Aniline	62-53-3	5	mg/kg
2-Naphthylamine	91-59-8	5	mg/kg	Benzidine	92-87-5	5	mg/kg
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	o-Aminoazotoluene	97-56-3	10	mg/kg
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	o-Anisidine	90-04-0	5	mg/kg
3,3'-Dimethylbenzidine	119-93-7	5	mg/kg	o-Toluidine	95-53-4	5	mg/kg
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	10	mg/kg	p-Chloroaniline	106-47-8	5	mg/kg
4,4'-Diaminodiphenylmethane	101-77-9	10	mg/kg	p-Cresidine	120-71-8	10	mg/kg

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Primary aromatic amines, migration

Test Method: DIN EN 13130-1

EU: Regulation (EU) No. 10/2011; Resolution ResAP(2004)4; Limit for migration: Sum 0,01 mg/kg, excluded are primary aromatic amines which are regulated in table 1 of annex I regulation (EU) No. 10/2011

CH: Regulation 817.023.21; Limit 0,01 mg/kg

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Primary aromatic amines, sum		0,01	mg/kg	4,4'-Diaminodiphenylmethane	101-77-9	-	mg/kg
2,4-Toluylenediamine	95-80-7	-	mg/kg	4,4'-Oxydianilin	101-80-4	-	mg/kg
2,6-Toluylenediamine	823-40-5	-	mg/kg	Aniline	62-53-3	-	mg/kg
3,3'-Dimethylbenzidine	119-93-7	-	mg/kg	m-Phenylenediamine	108-45-2	-	mg/kg

Production of food contact materials

Test Method: DIN EN 13130

EU: Regulation (EC) No 10/2011 Anhang I - positiv list with allowed restricted monomers in plastic articles

Plastics with food contact have to fulfill the Regulation (EC) No. 10/2011; In this regulation a positive list of allowed substances is given. Some of them are limited by specific migration limits (SML) or total content.

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Substances with spec. migration limit (SML)		see Annex	mg/kg				

Residual chemicals

Test Method: DIN CEN ISO/TS 16189 (mod); GC-MSD Screening after extraction; solvent extraction GC-MS; EN ISO 17070 (o-Phenylphenol)

DE: ProdSG; LFGB §30; TRSG 401: Limit for N,N-Dimethylformamide in gloves 10 mg/kg

EU: Directive 2001/95/EC

DE: ProdSG, LFGB §30

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
N,N-Dimethylformamide	68-12-2	10	mg/kg				

Residual chemicals in silicone

Test Method: EN 1400; EN 14350-2; BfR Recommendation No XV

CH: Verordnung 817.023.21, EDI; Limit for volatile organic substances (VOC): 0,5%

DE: BfR Recommendation No XV for silicone articles with food contact; Limits: Extractable substances: 0,5%, volatile substances (VOC): 0,5%; peroxides: not detectable

EU: Directive 2001/95/EC; Requirements for baby and infant articles EN 1400 (soother), EN 14372 (Cutlery and feeding utensils) and EN 14350 (articles for drinking equipment);

FR: Decree of 25 November 1992 relating to materials and silicone elastomers objects placed or intended to be in contact with foodstuffs, food products and beverages; Limit for volatile organic substances (VOC): <0,5%; peroxides reaction should be negative.

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Extractable Fraction		0,5	%	Volatile substances (VOC)		0,5	%
Peroxides		not detectable	%				

Sensory properties

Test Method: in general DIN 10955; paper, cardboard: DIN EN 1230-1/-2

EU: Regulation (EC) No 1935/2004; Odour and taste: grade 2,5

DE: §31 LFGB; Odour and taste: grade 2,5

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Odor		2,5	Grade	Taste		2,5	Grade

Soluble proteins in natural rubber

Test Method: "Determination of extractable protein from consumer products made of natural rubber" Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz, 43 (2000) 77; "Immunological Measurement of Four Principal Allergenic Proteins in Natural Rubber and Its Products Derived from Latex" ASTM D7427-08

Test Method: EN 455-3

DE: ProdSG; LFGB §30; BfR Recommendation Nr. XXI "Consumer articles made of natural and synthetic rubber"; Limit: not detectable

DE: ProdSG; LFGB §30; Recommendation of BfR No. XXI.; Recommendation of BfArM; TRSG 401; Limit 30 µg/g

EU: Directive 89/686/EEC

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Soluble proteins		not detectable	ppm	Soluble proteins in gloves		30	µg/g

Solvents

Test Method: inhouse-method, Headspace (30 Min, 110°C), GC-MS, semi-quantitative determination against d8-toluene

EU: Regulation (EC) 1907/2006; Limit for preparations: 0,1%

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Cyclohexane	110-82-7	0,1	%	Toluene	108-88-3	0,1	%

Solvents, inhalation

Test Method: EN 71-9/-10/-11

EU: Directive 2001/95/EC, 2009/48/EC; Limits acc. to EN 71-9

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	2500	µg/m³	n-Hexane	110-54-3	1800	µg/m³
3,5,5-Trimethyl-2-cyclohexen-1-one	78-59-1	200	µg/m³	Nitrobenzene	98-95-3	1	µg/m³
Cyclohexanone	108-94-1	136	µg/m³	Toluene	108-88-3	260	µg/m³
Dichloromethane	75-09-2	3000	µg/m³	Trichlorethylene	79-01-6	1	µg/m³
Ethylbenzene	100-41-4	5000	µg/m³	Xylene (all isomeres)		870	µg/m³

Solvents, migration

Test Method: EN 71-9/-10/-11

EU: Directive 2001/95/EC, 2009/48/EC; Limits acc. to EN 71-9

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Glycol ethers, sum		0,5	mg/L	Dichloromethane	75-09-2	0,06	mg/L
2-Ethoxyethanol	110-80-5	-	mg/L	Ethylbenzene	100-41-4	1	mg/L
2-Ethoxyethyl acetate	111-15-9	-	mg/L	Methanol	67-56-1	5	mg/L
2-Methoxyethyl acetate	110-49-6	-	mg/L	Nitrobenzene	98-95-3	0,02	mg/L
2-Methoxypropyl acetate	70657-70-4	-	mg/L	Toluene	108-88-3	2	mg/L
3,5,5-Trimethyl-2-cyclohexen-1-one	78-59-1	3	mg/L	Trichlorethylene	79-01-6	0,02	mg/L
Bis(2-methoxyethyl)ether	111-96-6	-	mg/L	Xylene (all isomeres)		2	mg/L
Cyclohexanone	108-94-1	46	mg/L				

Tar oils from wood preservatives

Test Method: inhouse-method, ultrasonic extraction with toluene (60 min, 60°C), GC-MS

EU: Regulation (EC) 1907/2006; Limit: no use as substance or in preparations for wood treatment; treated wood may not be placed on the market

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Anthracene oil	90640-80-5	not detectable	%	Distillates (coal tar), Naphthalene oils	84650-04-4	not detectable	%
Creosote	8001-58-9	not detectable	%	Low temperature coal tar alkaline, extract residues	122384-78-5	not detectable	%
Creosote oil	61789-28-4	not detectable	%	Tar acids, coal, crude	65996-85-2	not detectable	%
Creosote oil, acenapthen fraction	90640-84-9	not detectable	%	Upper coal tar distillates, anthracene oil	65996-91-0	not detectable	%
Creosote, wood	8021-39-4	not detectable	%				

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Triclosan

Test Method: DIN EN 13365 (mod.)

DE: BedGgstV; Triclosan use is forbidden for manufacturing and treating of articles with food contact

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Triclosan	3380-34-5	no use	mg/kg				

Vinylchloride monomer

Test method: § 64 LFGB 80.32-1

DE: BedGgstV; Limit for monomer vinylchloride content in PVC articles: 1 mg/kg

EU: Regulation 1907/2006; Use of chloroethene (vinyl chloride) as propellant in aerosoles is forbidden

EU: EDQM-Standard "Policy statement concerning coatings intended to come into contact with foodstuffs (Version 3 dated 12.02.2009)"; Specific Migration Limit for Vinylchloride-Monomer: 0,01 mg/kg (not detectable)

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Vinylchloride	75-01-4	0,01	mg/kg				

Wood preservatives

Test Method: EN 71-9/-10/-11

EU: Directive 2001/95/EC, 2009/48/EC; Limits acc. to EN 71-9

Parameter	CAS No	Limit	Unit	Parameter	CAS No	Limit	Unit
Cyfluthrin	68359-37-5	10	mg/kg	Lindan	58-89-9	2	mg/kg
Cypermethrin	52315-07-8	10	mg/kg	Pentachlorophenol (PCP)	87-86-5	2	mg/kg
Deltamethrine	52918-63-5	10	mg/kg	Permethrin	52645-53-1	10	mg/kg

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EU REACH

In case of contents > 0.1% per article weight (in consideration of subassemblies) substances of very high concern (SVHC) from the REACH Candidate List, the supplier is legally obligated to transmit this information (Regulation (EC) 1907/2006 Art. 33 and Annex XIV; Judgment of the Court (Third Chamber), 10 September 2015, C-106/14). SVHC-Substances, see <http://echa.europa.eu/en/candidate-list-table>

EU Biocidal Products/Treated Articles

Products with biocidal finishing (treated articles) have to meet the Biocidal Regulation (EU) 528/2012 regarding admission and labeling. <http://www.echa.europa.eu/en/web/guest/regulations/biocidal-products-regulation>

EU Quality of steel and other metal alloys

Metal Composition / Steel Key:

EU: EN 10020 - Definition and classification of grades of steel

FR-Requirement: DGCCRF - French Arrêté du 13 Janvier 1976; DGCCRF 2004-64; Different specifications for stainless steel, carbon steel, tin alloy, aluminium and cast iron;

IT: Notification No. 2009/202/I, Technical Regulations Information System, TRIS, 7 April 2009: only specific stainless steel is allowed, which is indicated by a special steel key or which is defined by the composition.

CH Further Requirements additional to EU

Requirements for food contact material

Regulation 817.023.21

Chlorinated plastics: PVC

Otto Group: No use in textiles, if possible no PVC in hardware (see Doc. 01-20231)

Remarks

This document lists the legal requirements of the EU regarding chemical substances in consumer goods as well as those national requirements which are different from the EU.

Aside from 28 EU countries Norway and Switzerland are considered. For some parameters - mainly those that are not regulated clearly by the EU law - a specific Otto Group limit value is defined.

The Otto Group limits are definitely obligatory just as the legal limits are.

Definitions

Mod.: Modified test method.

Inhouse method: Not standardized test method.

EU Conformity

Each article including the packaging has to comply to all mentioned requirements. The supplier assures that the delivered article meets all requirements under REACH Regulation 1907/2006 and Product Safety Directive 2001/95/EC.

By declaration of conformity acc. to ISO/IEC 17050 the supplier commits himself to deliver merchandise in conformity with the respective test sample.

Area of application

Area of application / Otto Group: Baumarkt direkt, Bon Prix, Collins (About you, Edited), Frankonia, Heine, Manufactum, Media, myToys.de, OTTO/BAUR, Schwab, Sport-Scheck, Unito, Witt Weiden

Area of application / Countries: EU-Member states, CH, NO

Area of application/ Process: Product definiton - (Pre-)testing - Inspection

Further valid documents

For certain product groups additional documents are valid in the Otto Group, which are also to be used in its assessment:

Doc. No. 01-20351 Chemical Requirements for Garments

Doc. No. 01-20470 Chemical Requirements for Hometextiles and Beddings

Doc. No. 01-20352 Chemical Requirements for Footwear

Doc. No. 01-20353 Chemical Requirements for Jewelry

Doc. No. 01-20471 Chemical Requirements for Bags

Doc. No. 01-20472 Chemical Requirements for Toys

Doc. No. 01-20492 Chemical Requirements for Hardware

This list is not intended to be exhaustive.

Further Information

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Disclaimer:

This requirements profile was generated based on appropriate legally specific regulated requirements. The substances respectively groups of substances are precisely mentioned in laws, regulations or further provisions and appropriate limits are determined.

Furthermore a product that is brought into market, must be safe for the user and the environment. Therefore further national and international superordinate regulations, that regulate product safety in general, must be considered (e.g. ProdSG, General Product Safety Directive 2001/95/EC). Herefrom further needs for tests relating to additional substances may deduct. This product specific test scope can be settled on a detailed assessment of components and materials.

In addition the requirements only refer to the processed general product scope. Each single product needs an individual professional assessment. Possibly several product groups and therefore further requirements can apply to a product. If there is an intermixture of product groups (e.g. product group footwear and product group electric hardware) it should be seen that additional standards and regulations must be considered and strictly observed.

Our recommendation of the relevant product group and the displayed cross matrix is based on legal requirements as well as the best available technology and expertise of Hansecontrol Zertifizierungsgesellschaft. This is a recommendation which is not legally binding.

If the data from requirements profiles of Hansecontrol Zertifizierungsgesellschaft is used further the Hansecontrol Zertifizierungsgesellschaft logo should not be used without explicit approval of the Hansecontrol Zertifizierungsgesellschaft. Furthermore Hansecontrol Zertifizierungsgesellschaft is not responsible for accuracy and presentation of the further used data from her requirements profiles.