

4 Annex

For a compilation of individual substances and CAS numbers, please see Annex 5 of this standard document.

Limit values table

Any value measured in the laboratory (which is measured in mg/kg, µg/kg or w-%) must be below the specified limit to obtain the certificate.

Limit values and fastness

The testing procedures are described in a separate document

附录

有关各种物质和 CAS 编号的汇编，请参见本标准文件的附录 5。

限量值表

在实验室中测得的任何值（以 mg/kg、µg/kg 或 w-% 为单位）必须低于规定限量值才可获得证书。

限量值和色牢度

测试方法描述于其他文件

Product Class / 产品级别	I Baby / 婴幼儿	II in direct contact with skin / 直接接触皮肤	III with no direct contact with skin / 非直接接触皮肤	IV Decoration material / 装饰材料
pH value / 酸碱值¹				
	4.0 - 7.5	4.0 - 7.5	4.0 - 9.0	4.0 - 9.0
Formaldehyde / 甲醛 [mg/kg]				
Free and partially releasable / 游离和部分可释放	n.d. ²	75	150	300
Extractable (heavy) metals / 可萃取的重金属 [mg/kg]				
As (Arsenic / 砷)	0.2	1.0	1.0	1.0
Ba (Barium / 钡)	1000	1000	1000	1000
Cd (Cadmium / 镉)	0.1	0.1	0.1	0.1
Co (Cobalt / 钴)	1.0	4.0	4.0	4.0
Cr (VI) (Chromium (VI) / 铬(六价))	0.5	0.5	0.5	0.5
Cr (Chromium / 铬)	1.0	2.0	2.0	2.0
Cu (Copper / 铜)	25.0 ⁴	50.0 ⁴	50.0 ⁴	50.0 ⁴
Hg (Mercury / 汞)	0.02	0.02	0.02	0.02
Ni (Nickel / 镍) ⁵	1.0 ⁶	4.0 ⁷	4.0 ⁷	4.0 ⁷
Pb (Lead / 铅)	0.2	1.0 ³	1.0 ³	1.0 ³
Sb (Antimony / 锑)	30.0	30.0	30.0	30.0
Se (Selenium / 硒)	100	100	100	100
Heavy metals total content / 重金属总含量 [mg/kg]				
As (Arsenic / 砷)	100	100	100	100
Cd (Cadmium / 镉)	40.0	40.0 ³	40.0 ³	40.0 ³
Hg (Mercury / 汞)	0.5	0.5	0.5	0.5
Pb (Lead / 铅)	90.0	90.0 ³	90.0 ³	90.0 ³

¹ Exceptions for products which must be treated wet during the further processing: 4.0 - 10.5; for foams: 4.0 - 9.0; for film materials (e.g. polyolefin films) with incorporated Calciumbicarbonate/carbonate or talc, which do not have directly contact to skin: 4.0 - 10.0; for wet wipes: 3.5 to 7.5; for taffeta labels: 4.0 - 9.0; for film material (e.g. polyolefin films) with incorporated Calciumbicarbonate/carbonate or talc and wallpaper, without direct skin contact: 4.0-10.0, / 例外情况：进行湿处理加工的产品：4.0 - 10.5；泡棉制品：4.0 - 9.0；湿巾：3.5-7.5；塔夫塔标签：4.0 - 9.0；含有碳酸氢钙/碳酸钙或滑石粉的非直接接触皮肤的薄膜材料（例如聚烯烃薄膜）和墙纸：4.0-10.0

² n.d. corresponds according to „Japanese Law 112“ test method with an absorbance unit less than 0.05 resp. 16 mg/kg / 此处不得检出 (n.d.) 是指使用「日本 112 法」中规定的吸收测试法应小于 0.05 吸收率单位，即应少于 16mg/kg

⁴ No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products / 对于无机材料制成的辅料和纱线，无生物活性产品相关要求

⁵ Including the requirement by REACH-Regulation Annex XVII, Entry 27 / 包括 REACH 法规附录 XVII 第 27 条的要求

⁶ For metallic accessories and metallized surfaces: 0.5 mg/kg / 只适用于金属辅料及经金属处理之表面: 0.5 mg/kg

⁷ For metallic accessories and metallized surfaces: 1.0 mg/kg / 只适用于金属辅料及经金属处理之表面: 1.0 mg/kg

³ For accessories made from glass: 0.1% (1000 mg/kg) / 对于用玻璃制成的辅料：0.1% (1000 mg/kg)



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Pesticides / 杀虫剂 [mg/kg] ⁸				
Sum / 总量	0.5	1.0	1.0	1.0
Glyphosate and salts for conventional cotton / 常规棉中的草甘膦及其盐	5	5	5	5
Glyphosate and salts for organic cotton / 有机棉中的草甘膦及其盐	0.5	1.0	1.0	1.0
Pesticides under observation / 受监测的杀虫剂	u.o.			

⁸ For natural fibres only / 仅适用于天然纤维



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Limit values and fastness

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Chlorinated phenols / 氯化苯酚 [mg/kg]				
Pentachlorophenol / 五氯苯酚 (PCP)	0.05	0.5	0.5	0.5
Tetrachlorophenols / 四氯苯酚 (TeCP), Sum / 总量	0.05	0.5	0.5	0.5
Trichlorophenols / 三氯苯酚 (TrCP), Sum / 总量	0.2	2.0	2.0	2.0
Dichlorophenols / 二氯苯酚 (DCP), Sum / 总量	0.5	3.0	3.0	3.0
Monochlorophenols / 一氯苯酚 (MCP), Sum / 总量	0.5	3.0	3.0	3.0
Plasticizer/Phthalates / 增塑剂/邻苯二甲酸酯 [mg/kg] ¹¹				
Sum / 总量	500	500	500	
Sum without DINP / 不含 DINP 总量				1000
Organic tin compounds / 有机锡化合物 [mg/kg]				
TBT, TPhT	0.5	1.0	1.0	1.0
DBT, DMT, DOT, DPhT, DPT, MBT, MOT, MMT, MPhT, TeBT, TeET, TCyHT, TMT, TOT, TeOT, TPT	1.0	2.0	2.0	2.0
Other chemical residues / 其他残余化学物质				
Bis(4-chlorophenyl) sulphone / 双(4-氯苯基)砜 [mg/kg]	1000	1000	1000	1000
Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide / 二苯基(2,4,6-三甲基苯甲酰基)氧化膦 [mg/kg]	1000	1000	1000	1000
6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol / 6,6'-二叔丁基-2,2'-亚甲基二对甲酚 [mg/kg]	1000	1000	1000	1000
Melamine / 三聚氰胺 [mg/kg] ³⁰	1000	1000	1000	1000
Free and cleavable carcinogenic arylamines except aniline / 致癌芳香胺 [mg/kg] ^{12 13}	20	20	20	20
Free and cleavable carcinogenic arylamines under observation / 受监测的游离和可裂解致癌芳香胺	u.o.			
Aniline / 苯胺 [mg/kg] ¹³	20	50	50	50
Benzene / 苯 [mg/kg]	5.0	5.0	5.0	5.0
Bisphenol A / 双酚 A [mg/kg]	100	100	100	100
Bisphenol B / 双酚 B [mg/kg]	1000	1000	1000	1000
Bisphenol S / 双酚 S [mg/kg]	1000	1000	1000	1000
Azodicarbonamide / 偶氮二甲酰胺 [mg/kg]	1000	1000	1000	1000
DMFu / 富马酸二甲酯 [mg/kg]	0.1	0.1	0.1	0.1
N-(hydroxymethyl)acrylamide / N-(羟甲基)丙烯酰胺 [mg/kg]	1000	1000	1000	1000
Tris(2-methoxyethoxy)vinylsilane / 乙烯基三(2-甲氧基乙氧基)硅烷 [mg/kg]	1000	1000	1000	1000
2-Mercaptobenzothiazol / 2-巯基苯并噻唑硫磷酸酯 [mg/kg]	1000	1000	1000	1000
OPP / 邻苯基苯酚 [mg/kg]	10	25	25	25
Phenol / 苯酚 [mg/kg]	20	50	50	50
Quinoline / 喹啉 [mg/kg]	50	50	50	50
TCEP / 三(2-氯乙基)磷酸酯 [mg/kg]	10	10	10	10
Chemical residues under observation / 受监管的化学残留物	u.o.			

¹¹ For coated articles, plastisol prints, flexible foams, and accessories made from plastics / 适用于涂层产品、胶浆印花、柔软泡绵和塑料材质辅料

³⁰ There is a transition period for foams. If the foam contains more than 1000 mg/kg melamine, this must be stated on the certificate. / 对于泡棉产品有过渡期。如果泡棉中的三聚氰胺超过 1000 mg/kg，则必须在证书中说明。

¹² For all materials containing polyurethane or other materials which may contain free carcinogenic arylamines / 适用于所有含有聚氨酯的材料或其他可能含有游离致癌芳香胺的材料

¹³ May also be present as residues / 也可能以残留物的形式存在



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Colourants / 着色剂 [mg/kg]				
Free and cleavable carcinogenic arylamines except aniline / 可裂解的致癌芳香胺 ¹³	20	20	20	20
Free and cleavable carcinogenic arylamines under observation / 受监测的游离和可裂解致癌芳香胺 ¹³	u.o.			
Aniline / 苯胺 ¹³	20	50	50	50
Carcinogens / 致癌物	50	50	50	50
Michler's Ketone / Base / 米氏酮或米氏碱≥0.1%的着色剂	1000	1000	1000	1000
Allergens / 致敏物	50	50	50	50
Others / 其他	50	50	50	50
Navy Blue / 海军蓝	not used / 不得使用			

¹³ May also be present as residues / 也可能以残留物的形式存在



Limit values and fastness

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Chlorinated benzenes and toluenes / 氯化苯和氯化甲苯 [mg/kg]				
Sum / 总量	1.0	1.0	1.0	1.0
Polycyclic aromatic hydrocarbons (PAH) / 多环芳烃 [mg/kg] ¹⁵				
Benzo[a]anthracene / 苯并[a]蒽	0.5	1.0	1.0	1.0
Benzo[a]pyrene / 苯并[a]芘	0.5	1.0	1.0	1.0
Benzo[b]fluoranthene / 苯并[b]荧蒽	0.5	1.0	1.0	1.0
Benzo[e]pyrene / 苯并[e]芘	0.5	1.0	1.0	1.0
Benzo[j]fluoranthene / 苯并[j]荧蒽	0.5	1.0	1.0	1.0
Benzo[k]fluoranthene / 苯并[k]荧蒽	0.5	1.0	1.0	1.0
Chrysene / 蒽	0.5	1.0	1.0	1.0
Dibenzo[a,h]anthracene / 二苯并[a,h]蒽	0.5	1.0	1.0	1.0
Sum 24 PAHs / 24 种 PAHs 总量	5.0	10.0	10.0	10.0
Biological active products / 生物活性产品				
	no intentional use / 非故意使用 ¹⁶			
Flame retardant products / 阻燃产品				
General / 总体	no intentional use / 非故意使用 10 mg/kg; each / 每种 ^{16 17} Sum of all / 总量 50 mg/kg			
Solvent residues / 溶剂残留 [mg/kg] ¹⁸				
1,4-dioxane / 1,4-二恶烷	10	10	10	10
DMAc / N,N-二甲基乙酰胺 ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
DMF / N,N-二甲基甲酰胺 ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
Formamide / 甲酰胺	200	200	200	200
NMP / N-甲基吡咯烷酮 ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
Surfactant, wetting agent residues, alkyl phenols / 残余表面活性剂, 润湿剂, 烷基酚 [mg/kg]				
BP, NP, OP, HpP, PeP, NP(EO), OP(EO); (Sum / 总量)	100.0	100.0	100.0	100.0
BP, NP, OP, HpP, PeP (Sum / 总量)	10.0	10.0	10.0	10.0

¹⁵ For all synthetic fibres, yarns, or threads and for plastic materials / 适用于所有合成纤维、纱线或股线及塑料材料

¹⁶ With exception of treatments accepted by OEKO-TEX® (see actual list on <http://www.oeko-tex.com>) / 除了 OEKO TEX® 认可的处理方法外 (请参阅 <http://www.oeko-tex.com> 网站发布的实际列表)

¹⁷ Accepted flame retardant products do not contain any of the banned flame retardant substances listed in Annex 5 as active agent / 认可的阻燃产品不应含有任何附录 5 活性剂中所列禁用阻燃物质

¹⁸ For fibre, yarns, fabrics and coated articles (e.g. artificial leather) as well as foams (EVA, PVC), where solvents are used during production / 适用于在生产过程中使用溶剂的纤维、纱线、面料和涂层产品 (如人造革) 以及海绵 (EVA, PVC)

¹⁹ Exception for products which must undergo further industrial production stages (heat process in wet or dry stage preferred, but also other steps are possible): maximal 3.0 % / 例外情况: 后续加工必须经过进一步的工业化生产阶段 (湿热或干热处理, 但也可能采用其它处理步骤): 最大 3.0 %

²⁰ For materials made of acrylic (PAN), elastane (EL) / polyurethane, polyimide and aramides as well as coated (PU-, PVC-, PVC-plastisol-, PVDC-, PVC-copolymer) textiles. / 适用于由丙烯酸(PAN)、氨纶(EL)/聚氨酯、聚酰亚胺和芳香族聚酰胺以及涂层 (PU-、PVC-、PVC-增塑溶胶、PVDC-以及 PVC-共聚物) 制成的纺织品材料。



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PFAS, Per- and polyfluoroalkylsubstances / 全氟和多氟烷基类物质				
PFAS	no intentional use / 非故意使用			
PFCA-related substances / PFCA 相关物质 Sum / 总量 [µg/kg]	260 ³⁴	260 ³⁴	260 ³⁴	260 ³⁴
PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE; / PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE ; sum / 总量 [µg/m2]	1	1	1	1
PFHpA, PFNA, PFDA, PFUdA, PFDoA, PFTrDA, PFTeDA Further perfluorinated carboxylic acids sum; according to Annex 5 / 总量; 根据附录 5 [µg/kg]	25	25	25	25
Perfluorinated sulfonic acids, sum; according to Annex 5 / 总量; 根据附录 5 [µg/kg]	50	250	250	250
Perfluorohexanesulfonic acid, related substances and salts (PFHxS); Sum / 总量 [µg/kg] ³⁵	25	25	25	25
Partially fluorinated carboxylic / sulfonic acids, sum; according to Annex 5 / 总量; 根据附录 5 [µg/kg]	50	250	250	250
Partially fluorinated carboxylic / sulfonic acids, under observation / 受监测	u.o.			
Partially fluorinated linear alcohols, sum; according to Annex 5 / 总量; 根据附录 5 [µg/kg]	250	250	250	250
Esters of fluorinated alcohols with acrylic acid, sum; according to Annex 5 / 总量; 根据附录 5 [µg/kg]	250	250	250	250
PFOA and salts Sum / 全氟辛酸及其盐总量 [µg/kg]	25	25	25	25
PFOA related Substances Sum / PFOA 相关物质/ 总量 [µg/kg] ²²	250	250	250	250
Fluorine content / 氟含量 [mg/kg]				
Total fluorine (TF) / 总氟 (TF) ³¹	100	100	100	100
UV stabilizers / 紫外线稳定剂 [mg/kg]				
UV 320, UV 327, UV 328, UV 350; each / 每种	1000	1000	1000	1000
Chlorinated paraffins / 氯化石蜡				
Sum of SCCP and MCCP / SCCP 和 MCCP 总量 [mg/kg]	50	50	50	50
Siloxanes / 硅氧烷 [mg/kg]				
D4, D5, D6; each / 每种	1000	1000	1000	1000
N-Nitrosamines / 亚硝酸胺; each / 每种 [mg/kg]				
N-nitrosatable substances / 亚硝基物质; Sum / 总量 [mg/kg]	5	5	5	5

³⁴ Any C9-C14 PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1}- directly bonded to another carbon atom, where n = 8, 9, 10, 11, 12 or 13, including its salts and any combinations thereof. / 任何 C9-C14 全氟羧酸相关物质, 其全氟基团与另一个碳原子直接键合, 分子式 C_nF_{2n+1}-, 其中 n = 8、9、10、11、12 或 13, 包括其盐类及其任何组合。

³⁵ PFHxS-related compounds are substances having C₆F₁₃S as a structural element and which degrade to PFHxS / PFHxS 相关化合物是以 C₆F₁₃S 为结构元素的物质, 可降解为 PFHxS

²² Any other substance, which can degrade to PFOA, including substances (also salts and polymers) having linear or branched perfluoroheptyl derivatives with the formula (C₇F₁₅)C as a structural element. Except those derivatives with the formula C₈F₁₇-X, where X= F, Cl, Br, and fluoropolymers that are covered by CF₃[CF₂]_n-R', where R' =any group, n> 16, and perfluoroalkyl carboxylic acids (including their salts, esters, halides and anhydrides) with ≥ 8 perfluorinated carbons. Also excluded are perfluoroalkane sulfonic acids and perfluoro phosphonic acids (including their salts, esters, halides and anhydrides) with ≥ 9 perfluorinated carbons or, perfluorooctanesulfonic acid and its derivatives (PFOS), which are listed in the Appendix I Part A of the regulation VO (EU) 2019/1021. / 任何其他可降解为 PFOA 的物质, 包括具有线性或支链式全氟庚基衍生物的物质(也包括盐和聚合物), 其分子式(C₇F₁₅)C 为结构元素。除分子式为 C₈F₁₇-X 的衍生物, 其中 X= F、Cl、Br 和含 CF₃[CF₂]_n-R' 的氟聚合物, 其中 R' =任意基团、n> 16 和含 8 个全氟碳的全氟烷基羧酸(包括其盐、酯、卤化物和酸酐)除外。同样被排除的还有全氟烷烃磺酸和全氟磷酸(包括其盐、酯、卤化物和酸酐)与≥9 个全氟碳或全氟辛烷磺酸及其衍生物(全氟辛烷磺酸及其衍生物), 它们列于 VO (EU) 2019/1021 条例的附录 I A 部分。

³¹ This limit value applies from the 01.01.2024 on. / 该限量值于 2024 年 1 月 1 日起适用



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Chlorinated solvents / 氯化溶剂 [mg/kg] ^{32*}				
1,1,1,2-Tetrachloroethane / 1,1,1,2-四氯乙烷	1.0	1.0	1.0	1.0
1,1,1-Trichloroethane / 1,1,1-三氯乙烷	1.0	1.0	1.0	1.0
1,1,2,2-Tetrachloroethane / 1,1,2,2-四氯乙烷	1.0	1.0	1.0	1.0
1,1,2-Trichloroethane / 1,1,2-三氯乙烷	1.0	1.0	1.0	1.0
1,1-Dichloroethane / 1,1-二氯乙烷	1.0	1.0	1.0	1.0
1,1-Dichloroethylene / 1,1-二氯乙烯	1.0	1.0	1.0	1.0
1,2-Dichloroethane / 1,2-二氯乙烷	1.0	1.0	1.0	1.0
1,2-Dichloroethylene / 1,2-二氯乙烯	1.0	1.0	1.0	1.0
Dichloromethane / 二氯甲烷	1.0	1.0	1.0	1.0
Pentachloroethane / 五氯乙烷	1.0	1.0	1.0	1.0
Tetra(per)chloroethylene / 四氯乙烯	1.0	1.0	1.0	1.0
Tetrachloromethane / 四氯化碳	1.0	1.0	1.0	1.0
Trichloroethylene / 三氯乙烯	1.0	1.0	1.0	1.0
Trichloromethane (Chloroform) / 三氯甲烷 (氯仿)	1.0	1.0	1.0	1.0
Sum of the chlorinated solvents / 氯化溶剂的总量	5.0	5.0	5.0	5.0

³² 2024 is transition period / 2024 年是过渡期



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Other VOCs and glycols / 其他 VOC 和二醇类 [mg/kg] ^{23 32*}				
Acetophenone / 苯乙酮	10.0	10.0	10.0	10.0
Benzene / 苯	1.0	1.0	1.0	1.0
Bis(2-methoxyethyl)ether / 二乙二醇二甲醚	10.0	10.0	10.0	10.0
Cyclohexanone / 环己酮	10.0	10.0	10.0	10.0
1,2-Diethoxyethane / 乙二醇二乙醚	10.0	10.0	10.0	10.0
1,4-dioxane / 1,4-二恶烷	10.0	10.0	10.0	10.0
2-Ethoxyethanol / 2-乙氧基乙醇	10.0	10.0	10.0	10.0
2-Ethoxyethylacetate / 乙二醇乙醚醋酸酯	10.0	10.0	10.0	10.0
Ethylbenzene / 乙基苯	10.0	10.0	10.0	10.0
Ethylene glycol dimethyl ether / 乙二醇二甲醚	10.0	10.0	10.0	10.0
2-Methoxy-1-propanol / 2-甲氧基-1-丙醇	10.0	10.0	10.0	10.0
2-Methoxyethanol / 2-甲氧基乙醇	10.0	10.0	10.0	10.0
2-Methoxyethylacetate / 2-甲氧基乙酸乙酯	10.0	10.0	10.0	10.0
2-Methoxypropylacetate / 2-甲氧基丙酸乙酯	10.0	10.0	10.0	10.0
1-Methyl-2-pyrrolidone / N-甲基吡咯烷酮 (NMP)	refer to solvent residues / 请参阅溶剂残留			
Methylethylketone / 甲基乙基酮	10.0	10.0	10.0	10.0
Naphthalene / 萘	refer to corresponding entry at PAH / 请参阅 PAH 的相应条目			
N,N-Dimethylacetamide / N,N-二甲基乙酰胺 (DMAc)	refer to solvent residues / 请参阅溶剂残留			
N,N-Dimethylformamide / N,N-二甲基甲酰胺 (DMF)	refer to solvent residues / 请参阅溶剂残留			
2-Phenyl-2-propanol / 2-苯基-2-丙醇	10.0	10.0	10.0	10.0
Styrene / 苯乙烯	10.0	10.0	10.0	10.0
Toluene / 甲苯	10.0	10.0	10.0	10.0
1,2,3-Trichloropropane / 1,2,3-三氯丙烷	10.0	10.0	10.0	10.0
Triethylene glycol dimethyl ether / 三甘醇二甲醚	10.0	10.0	10.0	10.0
Xylene / 二甲苯	10.0	10.0	10.0	10.0
Cresols / 甲酚 [mg/kg] ³²				
o-Cresol / 邻甲酚	10.0	10.0	10.0	10.0
m-Cresol / 间甲酚	10.0	10.0	10.0	10.0
p-Cresol / 对甲酚	10.0	10.0	10.0	10.0
Colour fastness (staining) / 色牢度 (沾色)				
To water / 耐水	3 - 4	3	3	3
To acidic perspiration / 耐酸性汗液	3 - 4	3 - 4	3 - 4	3 - 4
To alkaline perspiration / 耐碱性汗液	3 - 4	3 - 4	3 - 4	3 - 4
To rubbing, dry / 耐干摩擦 ^{23 24}	4	4	4	4
To saliva and perspiration / 耐唾液和汗液	fast / 牢固			
Emission of volatiles / 可挥发物释放量 [mg/m³] ²⁵				
Formaldehyde / 甲醛 [50-00-0]	0.1	0.1	0.1	0.1
Toluene / 甲苯 [108-88-3]	0.1	0.1	0.1	0.1
Styrene / 苯乙烯 [100-42-5]	0.005	0.005	0.005	0.005
4-Vinylcyclohexene / 乙烯基环己烷 [100-40-3]	0.002	0.002	0.002	0.002
4-Phenylcyclohexene / 苯基环己烷 [4994-16-5]	0.03	0.03	0.03	0.03
Butadiene / 丁二烯 [106-99-0]	0.002	0.002	0.002	0.002
Vinylchloride / 氯乙烯 [75-01-4]	0.002	0.002	0.002	0.002
Aromatic hydrocarbons / 芳香烃	0.3	0.3	0.3	0.3
Organic volatiles / 有机挥发物	0.5	0.5	0.5	0.5
Organic cotton fibres and materials / 有机棉纤维和材料 ²⁶				
GMO Genetically modified organisms / GMO 转基因生物	No intentional use / 非故意使用			
GMO quantitative analysis / GMO 定量分析 [%] ³³	5	5	5	5
Determination of odours / 气味测定				
General / 总体	no abnormal odour / 无异味 ²⁷			
SNV 195 651 (Modified / 经修正) ²⁵	3	3	3	3



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Product Class / 产品级别	I Baby / 婴幼儿	II in direct contact with skin / 直接接触皮肤	III with no direct contact with skin / 非直接接触皮肤	IV Decoration material / 装饰材料
Banned fibres / 禁用纤维				
Asbestos / 石棉纤维	No intentional use / 非故意使用			
synthetic polymer microplastics in decorative articles / 装饰品中的合成聚合物微塑料 ³⁶	No intentional use / 非故意使用			

- ²³ These limits do not apply for non-textile accessories / small parts (e.g. synthetic buttons, lacquered, painted or coated metallic components, etc.) / 该限量值不适用于非纺织辅料/小部件 (例如树脂纽扣、涂漆或涂层金属部件等)
- ³² 2024 is transition period / 2024 年是过渡期
- ²⁴ For pigment, vat or sulphurous colourants a minimum grade of colour fastness to rubbing of 3 (dry) is acceptable / 对于使用颜料、还原染料或硫化染料的产品, 可接受的耐干摩擦色牢度最小为 3 级
- ²⁵ For textile carpets, mattresses as well as foams and large coated articles not being used for clothing / 适用于纺织地毯、床垫、泡绵以及不用于服装的大型涂层产品
- ²⁶ Refer also to item 5.5. of this standard / 另请参照本标准第 5.5.项
- ³³ In a first step, the qualitative method is performed. If GMO is detected, the quantitative method can be carried out (on raw cotton only). / 第一步, 采用定性方法。如果检测到转基因成分, 则可以进行定量方法 (仅针对原棉)。
- ²⁷ No odour from mould, high boiling fraction of petrol, fish, aromatic hydrocarbons or perfume / 无模具异味, 高沸点汽油裂解气味、无鱼腥味、无芳香或香精气味
- ³⁶ as defined by the ECHA / 根据欧洲化学品管理局的定义



5 Annex

附录

Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

Pesticides / 杀虫剂

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
2,4,5-T / 2,4,5-涕	93-76-5	Endrine / 异狄氏剂	72-20-8
2,4-D / 2,4-滴	94-75-7	Esfenvalerate / 高效氰戊菊酯	66230-04-4
Acetamiprid / 啉虫脒	135410-20-7, 160430-64-8	Fenvalerate / 氰戊菊酯	51630-58-1
Aldicarb / 涕灭威	116-06-3	Heptachlor / 七氯	76-44-8
Aldrine / 艾氏剂	309-00-2	Heptachloroepoxide / 环氧七氯	1024-57-3, 28044-83-9
Azinophosethyl / 益棉磷/乙基谷硫磷	2642-71-9	Hexachlorobenzene / 六氯代苯	118-74-1
Azinophosmethyl / 保棉磷/谷硫磷	86-50-0	Hexachlorocyclohexane, α - / α -六六六	319-84-6
Bromophos-ethyl / 乙基溴硫磷	4824-78-6	Hexachlorocyclohexane, β - / β -六六六	319-85-7
Captafol / 敌菌丹	2425-06-1	Hexachlorocyclohexane, δ - / δ -六六六	319-86-8
Carbaryl / 甲萘威	63-25-2	Imidacloprid / 吡虫啉	105827-78-9, 138261-41-3
Carbendazim / 多菌灵	10605-21-7	Isodrine / 异艾氏剂	465-73-6
Chlorbenzilate / 乙酯杀螨醇	510-15-6	Kelevane / 克米范	4234-79-1
Chlordane / 氯丹	57-74-9	Kepone / 十氯酮	143-50-0
Chlordimeform / 克死螨	6164-98-3	Lindane / 林丹	58-89-9
Chlorfenvinphos / 毒虫畏	470-90-6	Malathion / 马拉硫磷	121-75-5
Chlorothalonil / 百菌清	1897-45-6	MCPA / 2-甲-4-氯(苯氧)乙酸	94-74-6
Clothianidin / 可尼丁	210880-92-5	MCPB / 2-甲-4-氯(苯氧)丁酸	94-81-5
Coumaphos / 香豆磷/蝇毒磷	56-72-4	Mecoprop / 2-甲-4-氯(苯氧)丙酸	93-65-2
Cyfluthrin / 氟氯氰菊酯	68359-37-5	Metamidophos / 甲胺磷	10265-92-6
Cyhalothrin / λ -氯氟氰菊酯	91465-08-6	Methoxychlor / 甲氧滴滴涕	72-43-5
Cypermethrin / 氯氰菊酯	52315-07-8	Mirex / 灭蚁灵	2385-85-5
DEF / 脱叶磷	78-48-8	Monocrotophos / 久效磷	6923-22-4
Deltamethrin / 溴氰菊酯	52918-63-5	Nitenpyram / 烯啶虫胺	150824-47-8, 120738-89-8
DDD / 米托坦	53-19-0, 72-54-8	Parathion / 对硫磷	56-38-2
DDE / 滴滴伊	3424-82-6, 72-55-9	Parathion-methyl / 甲基对硫磷	298-00-0
DDT / 滴滴涕	50-29-3, 789-02-6	Perthane / 乙滴滴	72-56-0
Diazinon / 二嗪农	333-41-5	Phosdrin / Mevinphos / 速灭磷/磷君	7786-34-7
Dichlorophene / 双氯酚	97-23-4	Phosphamidone / 磷胺	13171-21-6
Dichlorprop / 2,4-滴丙酸	120-36-5	Propethamphos / 烯虫磷/胺丙畏	31218-83-4
Dicofol / 三氯杀螨醇	115-32-2	Profenophos / 丙溴磷	41198-08-7
Dicrotophos / 白治磷	141-66-2	Silafluofen / 氟硅菊酯	105024-66-6
Dieldrine / 狄氏剂	60-57-1	Strobane / 毒杀芬	8001-50-1
Dimethoate / 乐果	60-51-5	Quinalphos / 喹硫磷	13593-03-8
Dinoseb, its salts and acetate / 地乐酚, 及其盐和醋酸盐	88-85-7 et. al.	Telodrine / 碳氯灵	297-78-9
Dinotefuran / 呋虫胺	165252-70-0	Thiacloprid / 噻虫啉	111988-49-9
DTTB	63405-99-2	Thiamethoxam / 噻虫嗪	153719-23-4
Endosulfan / 硫丹	115-29-7	Tolyfluanide / 对甲抑菌灵	731-27-1
Endosulfan, α - / α -硫丹	959-98-8	Toxaphene / 毒杀芬	8001-35-2
Endosulfan, β - / β -硫丹	33213-65-9	Trifluralin / 氟乐灵	1582-09-8

Pesticides under observation / 受监测的杀虫剂

Name / 名称	CAS-Nr.
Metam-sodium / 威百亩	137-42-8

Glyphosate and salts / 草甘膦及其盐

Name / 名称	CAS-Nr.
e.g. Isopropylammonium- salt, potassium salt, ammonium salt / 例 Isopropylammonium 草甘膦异丙胺盐, 钾盐, ammonium 铵盐	1071-83-6 38641-94-0 70901-12-1 40465-66-5 et.al.



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Chlorinated phenols / 氯化苯酚

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
Pentachlorophenol / 五氯苯酚	87-86-5	2,3-Dichlorophenol / 2,3-二氯苯酚	576-24-9
2,3,4,5-Tetrachlorophenol / 2,3,4,5-四氯苯酚	4901-51-3	2,4-Dichlorophenol / 2,4-二氯苯酚	120-83-2
2,3,4,6-Tetrachlorophenol / 2,3,4,6-四氯苯酚	58-90-2	2,5-Dichlorophenol / 2,5-二氯苯酚	583-78-8
2,3,5,6-Tetrachlorophenol / 2,3,5,6-四氯苯酚	935-95-5	2,6-Dichlorophenol / 2,6-二氯苯酚	87-65-0
2,3,4-Trichlorophenol / 2,3,4-三氯苯酚	15950-66-0	3,4-Dichlorophenol / 3,4-二氯苯酚	95-77-2
2,3,5-Trichlorophenol / 2,3,5-三氯苯酚	933-78-8	3,5-Dichlorophenol / 3,5-二氯苯酚	591-35-5
2,3,6-Trichlorophenol / 2,3,6-三氯苯酚	933-75-5	2-Chlorophenol / 2-氯苯酚	95-57-8
2,4,5-Trichlorophenol / 2,4,5-三氯苯酚	95-95-4	3-Chlorophenol / 3-氯苯酚	108-43-0
2,4,6-Trichlorophenol / 2,4,6-三氯苯酚	88-06-2	4-Chlorophenol / 4-氯苯酚	106-48-9
3,4,5-Trichlorophenol / 3,4,5-三氯苯酚	609-19-8		

Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

Plasticizer/Phthalates / 增塑剂/邻苯二甲酸酯

Name / 名称	CAS-Nr.	Acronym
Benzylbutylphthalate / 邻苯二甲酸丁基苄酯	85-68-7	BBP
Dibutylphthalate / 邻苯二甲酸二丁酯	84-74-2	DBP
Diethylphthalate / 邻苯二甲酸二乙酯	84-66-2	DEP
Dimethylphthalate / 邻苯二甲酸二甲酯	131-11-3	DMP
Di-(2-ethylhexyl)phthalate / 邻苯二甲酸二(2-乙基己基)酯	117-81-7	DEHP
Di-(2-methoxyethyl)phthalate / 邻苯二甲酸二(2-甲氧基乙基)酯	117-82-8	DMEP
Di-C6-8-branched alkylphthalates, C7 rich / 邻苯二甲酸二(C6-8 支链)烷基酯 (富 C7)	71888-89-6	DIHP
Di-C7-11-branched and linear alkylphthalates / 邻苯二甲酸二(C7-11 支链与直链)烷基酯	68515-42-4	DHNPUP
Dicyclohexylphthalate / 邻苯二甲酸二环己酯	84-61-7	DCHP
Dihexylphthalates, branched and linear / 邻苯二甲酸二己酯 (支链与直链)	68515-50-4	DHxP
Di-iso-butylphthalate / 邻苯二甲酸二异丁酯	84-69-5	DIBP
Di-iso-hexylphthalate / 邻苯二甲酸二异己酯	71850-09-4	DIHxP
Di-iso-octylphthalate / 邻苯二甲酸二异辛酯	27554-26-3	DIOP
Di-iso-nonylphthalate / 邻苯二甲酸二异壬酯	28553-12-0, 68515-48-0	DINP
Di-iso-decylphthalate / 邻苯二甲酸二异癸酯	26761-40-0, 68515-49-1	DIDP
Di-n-propylphthalate / 邻苯二甲酸二丙酯	131-16-8	DPrP
Di-n-hexylphthalate / 邻苯二甲酸二己酯	84-75-3	DHP
Di-n-octylphthalate / 邻苯二甲酸二正辛酯	117-84-0	DNOP
Di-n-nonylphthalate / 邻苯二甲酸二壬酯	84-76-4	DNP
Di-pentylphthalate (n-, iso-, or mixed) / 邻苯二甲酸二戊酯(正-, 异-或其混合)	131-18-0, 605-50-5, 776297-69-9, 84777-06-0	DPP
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters / 邻苯二甲酸, 二-C6-10 烷基酯	68515-51-5	
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters / (癸基, 己基, 辛基)酯与 1,2-苯二甲酸的复合物	68648-93-1	

Organic tin compounds / 有机锡化合物

Name / 名称	Acronym	Name / 名称	Acronym
Dibutyltin / 二丁基锡	DBT	Tetrabutyltin / 四丁基锡	TeBT
Dimethyltin / 二甲基锡	DMT	Tetraethyltin / 四乙基锡	TeET
Diocetyl tin / 二辛基锡	DOT	Tributyltin / 三丁基锡	TBT
Diphenyltin / 二苯基锡	DPhT	Tricyclohexyltin / 三环乙基锡	TCyHT
Dipropyltin / 二丙基锡	DPT	Trimethyltin / 三甲基锡	TMT
Monomethyltin / 一甲基锡	MMT	Trioctyltin / 三辛基锡	TOT
Monobutyltin / 一丁基锡	MBT	Triphenyltin / 三苯基锡	TPHT
Monooctyltin / 一辛基锡	MOT	Tetraoctyltin / 四辛基锡	TeOT
Monophenyltin / 一苯基锡	MPhT	Tripropyltin / 三丙基锡	TPT

Free and cleavable carcinogenic arylamines / 游离和可裂解致癌芳香胺

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
4-Aminobiphenyl / 4-氨基联苯	92-67-1	4,4'-Thiodianiline / 4,4'-二氨基二苯硫醚	139-65-1
Benzidine / 联苯胺	92-87-5	o-Toluidine / 邻氨基甲苯	95-53-4
4-Chloro-o-toluidine / 4-氯-邻-氨基甲苯	95-69-2	2,4-Toluylenediamine / 2,4-二氨基甲苯	95-80-7
2-Naphthylamine / 2-萘胺	91-59-8	2,4,5-Trimethylaniline / 2,4,5-三甲基苯胺	137-17-7
o-Aminoazotoluene / 邻氨基偶氮甲苯	97-56-3	o-Anisidine (2-Methoxyaniline) / 邻氨基苯甲醚	90-04-0
2-Amino-4-nitrotoluene / 2-氨基-4-硝基甲苯	99-55-8	4-Aminoazobenzene / 4-氨基偶氮苯	60-09-3
4-Chloroaniline / 4-氯苯胺	106-47-8	2,4-Xylidine / 2,4-二甲基苯胺	95-68-1
2,4-Diaminoanisole / 2,4'-二氨基苯甲醚	615-05-4	2,6-Xylidine / 2,6-二甲基苯胺	87-62-7
4,4'-Diaminodiphenylmethane / 4,4'-二氨基联苯甲 烷	101-77-9	Aniline / 苯胺	62-53-3
3,3'-Dichlorobenzidine / 3,3'-二氯联苯胺	91-94-1	4-Chloro-o-toluidinium chloride / 4-氯-邻甲苯胺盐 酸盐	3165-93-3
3,3'-Dimethoxybenzidine / 3,3'-二甲氧基联苯胺	119-90-4	2,4-Diaminoanisole sulphate / 2,4-二氨基苯甲醚硫 酸盐	39156-41-7
3,3'-Dimethylbenzidine / 3,3'-二甲基联苯胺	119-93-7	3,3-Diaminobenzidin / 3,3-二氨基联苯胺	91-95-2
4,4'-Methylenedi-o-toluidine / 4,4'-二氨基-3,3'-二 甲基联苯甲烷	838-88-0	2,5-Diaminotoluene / 2-methyl-p- phenylenediamine / 2,5-二氨基甲苯/2-甲基对苯二胺	95-70-5
p-Cresidine (6-Methoxy-m-toluidine) / 3-氨基对甲 苯甲醚	120-71-8	4-Ethoxyaniline / p-phenetidine / 4-乙氧基苯胺/对 乙氧基苯胺	156-43-4
4,4'-Methylene-bis-(2-chloroaniline) / 4,4,-并甲 基-(2-氯苯胺)	101-14-4	2-Naphthylammoniumacetate / 2-萘胺乙酸盐	553-00-4
4,4'-Oxydianiline / 4,4'-二氨基二苯醚	101-80-4	2,4,5-Trimethylaniline hydrochloride / 2,4,5-三甲 基苯胺盐酸盐	21436-97-5



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Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

Free and cleavable carcinogenic arylamines under observation / 受监测的游离和可裂解致癌芳香胺

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
p-anisidine / 对甲氧基苯胺	20265-97-8	2-amino-5-nitrothiazole / 2-氨基-5-硝基噻唑	121-66-4

Dyestuffs and pigments classified as carcinogenic / 致癌染料及涂料

C.I. Generic Name	C.I. Structure number	CAS-Nr.
C.I. Acid Red 26	C.I. 16 150	3761-53-3
C.I. Acid Red 114		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		2429-74-5
C.I. Direct Brown 95		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 / Aniline Yellow)	C.I. 11100	60-09-3
C.I. Solvent Yellow 3 (o-Aminoazotoluene / o-Aminoazotoluol)		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 with ≥ 0.1 % Michler's ketone or base		561-41-1
C.I. Solvent Blue 4 with ≥ 0.1 % Michler's ketone or base		6786-83-0

Dyestuffs classified as allergenic / 致敏染料

C.I. Generic Name	C.I. Structure number	CAS-Nr.
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8
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 102		12222-97-8
		69766-79-6
C.I. Disperse Blue 106		12223-01-7
		68516-81-4
C.I. Disperse Blue 124		15141-18-1
		61951-51-7
C.I. Disperse Brown 1		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, 13301-61-6, 12223-33-5
C.I. Disperse Orange 59	C.I. 11 132	
C.I. Disperse Orange 76	C.I. 11 132	
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 Yellow 1	C.I. 10 345	119-15-3
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8
C.I. Disperse Yellow 9	C.I. 10 375	6373-73-5
C.I. Disperse Yellow 39		12236-29-2
C.I. Disperse Yellow 49		54824-37-2



Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

Other banned dyestuffs / 其他禁用染料

<u>C.I. Generic Name</u>	<u>C.I. Structure number</u>	<u>CAS-Nr.</u>
C.I. Basic Green 4 (chloride)		569-64-2
C.I. Basic Green 4 (free)		10309-95-2
C.I. Basic Green 4 (oxalate)		2437-29-8, 18015-76-4
C.I. Disperse Orange 149		85136-74-9
C.I. Basic Yellow 2 / Solvent Yellow 34 (hydrochloride and free base)		2465-27-2 / 492-80-8
C.I. Disperse Yellow 23	C.I. 26 070	6250-23-3
Navy Blue (Index-Nr. 611-070-00-2; EG-Nr. 405-665-4)		

Michler's Ketone/Base / 米氏酮/碱

<u>C.I. Generic Name</u>	<u>CAS-Nr.</u>
Michler's base / 米氏碱	101-61-1
Michler's ketone / 米氏酮	90-94-8

Chlorinated benzenes and toluenes / 氯化苯及氯化甲苯

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
<u>Chlorobenzenes / 氯苯</u>		<u>Chlorobenzenes / 氯苯</u>	
Chlorobenzene / 氯苯	108-90-7	Dichlorobenzenes / 二氯苯	25321-22-6
1,2-Dichlorobenzene / 1,2-二氯苯	95-50-1	1,3-Dichlorobenzene / 1,3-二氯苯	541-73-1
1,4-Dichlorobenzene / 1,4-二氯苯	106-46-7	Trichlorobenzenes / 三氯苯	12002-48-1
1,2,3-Trichlorobenzene / 1,2,3-三氯苯	87-61-6	1,2,4-Trichlorobenzene / 1,2,4-三氯苯	120-82-1
1,3,5-Trichlorobenzene / 1,3,5-三氯苯	108-70-3	Tetrachlorobenzenes / 四氯苯	12408-10-5
1,2,3,4-Tetrachlorobenzene / 1,2,3,4-四氯苯	634-66-2	1,2,3,5-Tetrachlorobenzene / 1,2,3,5-四氯苯	634-90-2
1,2,4,5-Tetrachlorobenzene / 1,2,4,5-四氯苯	95-94-3	1,2,3,4(or 1,2,4,5)-Tetrachlorobenzene / 1,2,3,4 (或84713-12-2 1,2,4,5) -四氯苯	
Pentachlorobenzene / 五氯苯	608-93-5	Hexachlorobenzene / 六氯苯	118-74-1
<u>Chlorotoluenes / 氯甲苯</u>		<u>Chlorotoluenes / 氯甲苯</u>	
2-Chlorotoluene / 2-氯甲苯	95-49-8	2,5-Dichlorotoluene / 2,5-二氯甲苯	19398-61-9
4-Chlorotoluene / 4-氯甲苯	106-43-4	3,4-Dichlorotoluene / 3,4-二氯甲苯	95-75-0
2,4-Dichlorotoluene / 2,4-二氯甲苯	95-73-8	2,3,4-Trichlorotoluene / 2,3,4-三氯甲苯	7359-72-0
2,6-Dichlorotoluene / 2,6-二氯甲苯	118-69-4	2,3,6-Trichlorotoluene / 2,3,6-三氯甲苯	2077-46-5
3,5-Dichlorotoluene / 3,5-二氯甲苯	25186-47-4	2,4,6-Trichlorotoluene / 2,4,6-三氯甲苯	23749-65-7
2,3,5-Trichlorotoluene / 2,3,5-三氯甲苯	56961-86-5	2,3,4,5-Tetrachlorotoluene / 2,3,4,5-四氯甲苯	1006-32-2, 76057-12-0
2,4,5-Trichlorotoluene / 2,4,5-三氯甲苯	6639-30-1	2,3,5,6-Tetrachlorotoluene / 2,3,5,6-四氯甲苯	1006-31-1, 29733-70-8
3,4,5-Trichlorotoluene / 3,4,5-三氯甲苯	21472-86-6	Benzyl chloride / 氯化苄	100-44-7
2,3,4,6-Tetrachlorotoluene / 2,3,4,6-四氯甲苯	875-40-1	Benzotrifluoride / 三氟甲苯	98-07-7
1,2,3,4,5,6-Pentachlorotoluene / 1,2,3,4,5,6-五氯甲苯	877-11-2	4-Chlorobenzotrifluoride / 4-氯三氟甲苯	5216-25-1
3-Chlorotoluene / 3-氯甲苯	108-41-8	α-substituted-Chlorotoluenes / α-取代氯甲苯	Various
2,3-Dichlorotoluene / 2,3-二氯甲苯	32768-54-0		

Polycyclic aromatic hydrocarbons (PAH) / 多环芳烃 (PAH)

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
Acenaphthene / 二萘	83-32-9	Dibenzo[a,h]anthracene / 二苯并[a,h]蒽	53-70-3
Acenaphthylene / 萘烯	208-96-8	Dibenzo[a,e]pyrene / 二苯并[a,e]芘	192-65-4
Anthracene / 蒽	120-12-7	Dibenzo[a,h]pyrene / 二苯并[a,h]芘	189-64-0
Benzo[a]anthracene / 苯并[a]蒽	56-55-3	Dibenzo[a,i]pyrene / 二苯并[a,i]芘	189-55-9
Benzo[a]pyrene / 苯并[a]芘	50-32-8	Dibenzo[a,l]pyrene / 二苯并[a,l]芘	191-30-0
Benzo[b]fluoranthene / 苯并[b]荧蒽	205-99-2	Fluoranthene / 荧蒽	206-44-0
Benzo[e]pyrene / 苯并[e]芘	192-97-2	Fluorene / 芴	86-73-7
Benzo[ghi]perylene / 苯并[ghi]花(二萘嵌苯)	191-24-2	Indeno[1,2,3-cd]pyrene / 茚并[1,2,3-cd]芘	193-39-5
Benzo[j]fluoranthene / 苯并[j]荧蒽	205-82-3	1-Methylpyrene / 1-甲基芘	2381-21-7
Benzo[k]fluoranthene / 苯并[k]荧蒽	207-08-9	Naphthalene / 萘	91-20-3
Chrysene / 屈	218-01-9	Phenanthrene / 菲类	85-01-8
Cyclopenta[cd]pyrene / 环戊并[cd]芘	27208-37-3	Pyrene / 芘	129-00-0

Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

Forbidden flame retardant substances / 禁用阻燃物质

Name / 名称	CAS-Nr.	Acronym
1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene] / 1,1'-[乙烷-1,2-二基双氧基]双[2,4,6-三溴苯]	37853-59-1	
2,2-Bis(bromomethyl)-1,3-propanediol / 2,2-双(溴甲基)-1,3-丙二醇	3296-90-0	BBMP
Barium diboron tetraoxide / 偏硼酸钡	13701-59-2	
Bis(2,3-dibromopropyl)phosphate / 二-(2,3-二溴丙基)磷酸酯	5412-25-9	BIS
Bis(2-ethylhexyl) tetrabromophthalate, any of the individual isomers and/or combinations thereof / 四溴邻苯二甲酸二(2-乙基己)酯, 任何单独的异构体和/或其组合	Various	TBPH
Boric acid / 硼酸	10043-35-3, 11113-50-1	
Decabromobiphenyl / 十溴联苯	13654-09-6	DecaBB
Decabromodiphenylether / 十溴联苯醚	1163-19-5	DecaBDE
Diboron trioxide / 三氧化二硼	1303-86-2	
Dibromobiphenyls / 二溴联苯	various	DiBBs
Dibromodiphenylethers / 二溴联苯醚	various	DiBDEs
Disodium octaborate / 八硼酸钠	12008-41-2	
Disodium tetraborate / 四硼酸钠	1303-96-4, 1330-43-4, 12179-04-3	
Heptabromobiphenyls / 七溴联苯	various	HeptaBBs
Heptabromodiphenylethers / 七溴联苯醚	various, 68928-80-3	HeptaBDEs
Hexabromobiphenyls / 六溴联苯	various	HexaBBs
Hexabromocyclododecane and all main diastereomers identified (alpha-, beta-, gamma-) / 六溴环十二烷及其所有已鉴定的主要非对映异构体 (α-,β-,γ-)	Various, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4	HBCDD
Hexabromodiphenylethers / 六溴联苯醚	various, 36483-60-0	HexaBDEs
Monobromobiphenyls / 一溴联苯	various	MonoBBs
Monobromodiphenylethers / 一溴联苯醚	various	MonoBDEs
Nonabromobiphenyls / 九溴联苯	various	NonaBBs
Nonabromodiphenylethers / 九溴联苯醚	various, 63936-56-1	NonaBDEs
Octabromobiphenyls / 八溴联苯	various	OctaBBs
Octabromodiphenylethers / 八溴联苯醚	various, 32536-52-0	OctaBDEs
Pentabromobiphenyls / 五溴联苯	various	PentaBBs
Pentabromodiphenylethers / 五溴联苯醚	various, 32534-81-9	PentaBDEs
Polybrominated diphenyl ethers / 多溴联苯醚	various	PBDEs
Polybromobiphenyls (Polybrominated biphenyls) / 多溴联苯	59536-65-1	PBBs
Tetraboron disodium heptaoxide, hydrate / 七水合四硼酸钠	12267-73-1	
Tetrabromobiphenyls / 四溴联苯	various	TetraBBs
Tetrabromobisphenol A / 四溴双酚 A	79-94-7	TBBPA
Tetrabromodiphenylethers / 四溴联苯醚	various, 40088-47-9	TetraBDEs
Tri(2,3-dibromopropyl)phosphate / 三(2,3-二溴丙基)磷酸酯	126-72-7	TRIS
Tribromobiphenyls / 三溴联苯	various	TriBBs
Tribromodiphenylethers / 三溴联苯醚	various	TriBDEs
Tris(1,3-dichloro-iso-propyl)phosphate / 三-(1,3-二氯-2-丙基)磷酸酯	13674-87-8	TDCPP
Tris(2-chloroethyl)phosphate / 磷酸三(2-氯乙基)酯	115-96-8	TCEP
Tris(aziridinyl)phosphin oxide / 三(吡丙啶基)氧化磷	545-55-1	TEPA
Trixylylphosphate / 磷酸三(二甲苯)酯	25155-23-1	TXP
Zinc borate salts / 硼酸锌盐	1332-07-6, 12767-90-7	

Solvent residues / 溶剂残留

Name / 名称	CAS-Nr.	Acronym
1-Methyl-2-pyrrolidone / N-甲基吡咯烷酮	872-50-4	NMP
Formamide / 甲酰胺	75-12-7	
N,N-Dimethylacetamide / N,N-二甲基乙酰胺	127-19-5	DMAc
N,N-Dimethylformamide / N,N-二甲基甲酰胺	68-12-2	DMF

Surfactant, wetting agent residues, alkyl phenols / 残余表面活性剂, 润湿剂, 烷基酚

Name / 名称	CAS-Nr.	Acronym
4-tert-butylphenol / 4-叔丁基苯酚	98-54-4	BP
Heptylphenol / 庚基苯酚	various	HpP
Nonylphenol / 壬基苯酚	various	NP
Nonylphenoethoxylates / 壬基酚聚氧乙烯醚	various	NP(EO)
Octylphenol / 辛基苯酚	various	OP
Octylphenoethoxylates / 辛基酚聚氧乙烯醚	various	OP(EO)
Pentylphenol / 戊基苯酚	various	PeP



Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

Other chemical residues / 其他残余化学物

Name / 名称	CAS-Nr.	Acronym
6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol / 6,6'-二叔丁基-2,2'-亚甲基二对甲酚	119-47-1	
Bisphenol S (4,4'-Sulfonyldiphenol) / 双酚 S (4,4'-磺酰基二苯酚)	80-09-1	
Melamine / 三聚氰胺	108-78-1	
Aniline / 苯胺	62-53-3	
Benzene / 苯	71-43-2	
Bisphenol A (4,4'-Isopropylidenediphenol) / 双酚 A (4,4'-亚异丙基二苯酚)	80-05-7	BPA
Bisphenol B (4,4'-(1-methylpropylidene)bisphenol) / 双酚 B (4,4'-(1-甲基丙基)双酚)	77-40-7	BPB
Azodicarbonamide / 偶氮二甲酰胺	123-77-3	ADCA
N-(hydroxymethyl)acrylamide / N-(羟甲基)丙烯酰胺	924-42-5	
Dimethylfumarate / 富马酸二甲酯	624-49-7	DMFu
Tris(2-methoxyethoxy)vinylsilane / 乙烯基三(2-甲氧基乙氧基)硅烷	1067-53-4	
Phenol / 苯酚	108-95-2	
o-Phenylphenol / 邻苯基苯酚	90-43-7	OPP
2-Mercaptobenzothiazol / 2-巯基苯并噻唑	149-30-4	2-MTB
Quinoline (Chinoline / Benzo[b]pyridine) / 喹啉 (胆碱/苯并[b]吡啶)	91-22-5	
Tris(4-nonylphenyl, branched and linear)phosphite with 0.1% w/w of 4-nonylphenol, branched and linear / 三(4-壬基苯基)亚磷酸酯, 含有≥0.1% 4-壬基酚(支链和直链)	various	TNPP
Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide / 二苯基(2,4,6-三甲基苯甲酰基)氧化磷	75980-60-8	
Bis(4-chlorophenyl) sulphone / 双(4-氯苯基)砜	80-07-9	

Chemical residues under observation / 受监测的化学残留物

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
1,2-Diethoxyethane / 1,2-二乙氧基乙烷	629-14-1	2-Methoxypropanol / 2-甲氧基丙醇	1589-47-5
N-ethyl-2-pyrrolidone/NEP / N-乙基-2-吡咯烷酮/NEP	2687-91-4	Methylisothiazolinone / 甲基异噻唑啉酮	2682-20-4
2-Methoxyethylacetate / 2-甲氧基乙酸乙酯	110-49-6	Bisphenol F (4,4'-Methylenediphenol) / 双酚 F (4,4'-亚甲基二苯酚)	620-92-8
Drometizole / 甲酚曲唑	2440-22-4	Bisphenol AF (4,4'-(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)diphenol) / 双酚 AF (4,4'-(六氟异亚丙基)二酚)	1478-61-1

UV stabilizers / 紫外线稳定剂

Name / 名称	CAS-Nr.	Acronym
2-Benzotriazol-2-yl-4,6-di-tert-butylphenol / 2-苯并三唑-2-基-4,6-二叔丁基苯酚	3846-71-7	UV 320
2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol / 2,4-二叔丁基-6-(5-氯苯并三唑-2-基)苯酚	3864-99-1	UV 327
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol / 2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚	25973-55-1	UV 328
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol / 2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚	36437-37-3	UV 350

Chlorinated paraffins / 氯化石蜡

Name / 名称	CAS-Nr.	Acronym
Short chain chlorinated paraffins (C10 - C13) / 短链氯化石蜡(C10-C13)	85535-84-8	SCCP
Medium chain chlorinated paraffins (C14 - C17) / 中链氯化石蜡(C14-C17)	85535-85-9, 198840-65-2, MCCP 1372804-76-6	

Siloxanes / 硅氧烷

Name / 名称	CAS-Nr.	Acronym
Octamethylcyclotetrasiloxane / 八甲基环四硅氧烷	556-67-2	D4
Decamethylcyclopentasiloxane / 十甲基环五硅氧烷	541-02-6	D5
Dodecamethylcyclohexasiloxane / 十二甲基环六硅氧烷	540-97-6	D6

Chlorinated solvents / 氯化溶剂

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
Dichloromethane / 二氯甲烷	75-09-2	1,1,1,2-Tetrachloroethane / 1,1,1,2-四氯乙烷	630-20-6
Trichloromethane (Chloroform) / 氯仿(三氯甲烷)	67-66-3	1,1,2,2-Tetrachloroethane / 1,1,2,2-四氯乙烷	79-34-5
Tetrachloromethane / 四氯化碳	56-23-5	Pentachloroethane / 五氯乙烷	76-01-7
1,1-Dichloroethane / 1,1-二氯乙烷	75-34-3	1,1-Dichloroethylene / 1,1-二氯乙烯	75-35-4
1,2-Dichloroethane / 1,2-二氯乙烷	107-06-2	1,2-Dichloroethylene / 1,2-二氯乙烯	540-59-0, 156-59-2, 156-60-5
1,1,1-Trichloroethane / 1,1,1-三氯乙烷	71-55-6	Trichloroethylene / 三氯乙烯	79-01-6
1,1,2-Trichloroethane / 1,1,2-三氯乙烷	79-00-5	Tetra(per)chloroethylene / 四(全)氯乙烯	127-18-4



STANDARD
100

Other VOCs (volatile organic compounds) and glycols / 其他 VOC (挥发性有机物) 和二醇类

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
Acetophenone / 苯乙酮	98-86-2	2-Methoxyethylacetate / 乙二醇甲醚醋酸酯	110-49-6
Benzene / 苯	71-43-2	2-Methoxypropanol / 2-甲氧基丙醇	1589-47-5
Bis(2-methoxyethyl)ether / 二乙二醇二甲醚	111-96-6	2-Methoxypropylacetate / 丙二醇甲醚醋酸酯	70657-70-4
Cyclohexanone / 环己酮	108-94-1	Methylethylketone / 甲基乙基酮	78-93-3
1,2-Diethoxyethane / 1,2-Diethoxyethan / 1,2-二乙氧基乙烷/乙二醇二乙醚	629-14-1	Naphthalene / 萘	91-20-3
1,4-dioxane / 1,4-二恶烷	123-91-1	2-Phenyl-2-propanole / 2-苯基-2-丙醇	617-94-7
2-Ethoxyethanol / 2-乙氧基乙醇	110-80-5	Styrene / 苯乙烯	100-42-5
2-Ethoxyethylacetate / 乙二醇乙醚醋酸酯	111-15-9	Toluene / 甲苯	108-88-3
Ethylbenzene / 乙基苯	100-41-4	1,2,3-Trichloropropane / 1,2,3-三氯丙烷	96-18-4
Ethylene glycol dimethyl ether / 乙二醇二甲醚	110-71-4	Triethylene glycol dimethyl ether / 三甘醇二甲醚	112-49-2
2-Methoxyethanol / 2-甲氧基乙醇	109-86-4	Xylene / 二甲苯	95-47-6, 108-38-3, 106-42-3, 1330-20-7 (mixture / 混合物)

Cresols / 甲酚

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
o-Cresol / 邻甲酚	95-48-7	p-Cresol / 对甲酚	106-44-5
m-Cresol / 间甲酚	108-39-4		

N-Nitrosamines; N-nitrosatable substances / 亚硝胺; 亚硝基物质

Name / 名称	CAS-Nr.	Acronym
N-Nitrosodibenzylamine / N-硝基联苄基胺	5336-53-8	NDBzA
N-Nitrosodiethylamine / N-亚硝基二乙胺	924-16-3	NDBA
N-Nitrosodiethanolamine / N-二乙醇亚硝胺	1116-54-7	NDELA
N-Nitrosodiethylamine / N-二乙基亚硝胺	55-18-5	NDEA
N-Nitrosodiisobutylamine / N-亚硝基二异丁胺	997-95-5	NDiBA
N-Nitrosodiisononylamine / N-亚硝基二异壬胺	1207995-62-7	NDiNA
N-Nitrosodiisopropylamine / N-亚硝基二异丙胺	601-77-4	NDiPA
N-Nitrosodimethylamine / N-亚硝基二甲胺	62-75-9	NDMA
N-Nitrosodipropylamine / N-亚硝基二丙胺	621-64-7	NDPA
N-Nitrosomethylethylamine / N-亚硝基甲基乙胺	10595-95-6	NMEA
N-Nitrosomorpholine / N-亚硝基吗啉	59-89-2	NMOR
N-Nitroso-N-ethyl-N-phenylamine / N-亚硝基-N-乙基苯胺	612-64-6	NEPhA
N-Nitroso-N-methyl-N-phenylamine / N-亚硝基-N-甲基苯胺	614-00-6	NMPhA
N-Nitroso-piperidine / N-亚硝基哌啶	100-75-4	NPIP
N-Nitroso-pyrrolidine / N-亚硝基吡咯烷	930-55-2	NPYR



Compilation of the individual substances for Annex 4 附录 4 中的个别物质汇编

PFAS, Per- and polyfluoroalkylsubstances / PFAS, 全氟和多氟烷基物质

Name / 名称	CAS-Nr.	Acronym
Perfluorooctane sulfonic acid and sulfonates / 全氟辛烷磺酸和磺酸盐	1763-23-1, et. al.	PFOS
Perfluorooctane sulfonamide / 全氟辛烷磺酰胺	754-91-6	PFOSA
Perfluorooctane sulfonyl fluoride / 全氟辛烷磺酰氟	307-35-7	PFOSF / POSF
N-Methyl perfluorooctane sulfonamide / N-甲基全氟辛烷磺酰胺	31506-32-8	N-Me-FOSA
N-Ethyl perfluorooctane sulfonamide / N-乙基全氟辛烷磺酰胺	4151-50-2	N-Et-FOSA
N-Methyl perfluorooctane sulfonamide ethanol / N-甲基全氟辛烷磺酰胺乙醇	24448-09-7	N-Me-FOSE
N-Ethyl perfluorooctane sulfonamide ethanol / N-乙基全氟辛烷磺酰胺乙醇	1691-99-2	N-Et-FOSE
Perfluoroheptanoic acid and salts / 全氟庚酸及其盐	375-85-9, et. al.	PFHpA
Perfluorooctanoic acid and salts / 全氟辛酸及其盐	335-67-1, et. al.	PFOA
Perfluorononanoic acid and salts / 全氟壬酸及其盐	375-95-1, et. al.	PFNA
Perfluorodecanoic acid and salts / 全氟癸酸及其盐	335-76-2, et. al.	PFDA
Henicosaflluoroundecanoic acid and salts / 全氟十一烷酸及其盐	2058-94-8, et. al.	PFUdA
Tricosaflluorododecanoic acid and salts / 全氟十二烷酸及其盐	307-55-1, et. al.	PFDoA
Pentacosaflluorotridecanoic acid and salts / 全氟十三烷酸及其盐	72629-94-8, et. al.	PFTrDA
Heptacosaflluorotetradecanoic acid and salts / 全氟十四烷酸及其盐	376-06-7, et. al.	PFTeDA
Others / 其他		
Further Perfluorinated carboxylic acids / 更多全氟羧酸		
Perfluorobutanoic acid and salts / 全氟丁酸及其盐	375-22-4, et. al.	PFBA
Perfluoropentanoic acid and salts / 全氟戊酸及其盐	2706-90-3, et. al.	PFPeA
Perfluorohexanoic acid and salts / 全氟己酸及其盐	307-24-4, et. al.	PFHxA
Perfluoro(3,7-dimethyloctanoic acid) and salts / 全氟-3,7-二甲基辛酸及其盐	172155-07-6, et. al.	PF-3,7-DMOA
Perfluorinated carboxylic and sulfonic acids under observation / 受监测的全氟羧酸和磺酸		
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides / 2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰卤化物	various	
Perfluorinated sulfonic acids / 全氟磺酸		
Perfluorobutane sulfonic acid and salts / 全氟丁烷磺酸及其盐	375-73-5, 59933-66-3, et. al.	PFBS
Perfluorohexane sulfonic acid and salts / 全氟己烷磺酸及其盐	355-46-4, et. al.	PFHxS
Perfluoroheptane sulfonic acid and salts / 全氟庚烷磺酸及其盐	375-92-8, et. al.	PFHpS
Henicosaflluorodecane sulfonic acid and salts / 二十一氟癸烷磺酸及其盐	335-77-3, et. al.	PFDS
Partially fluorinated carboxylic / sulfonic acids / 部分氟化羧酸/磺酸		
7H-Perfluoro heptanoic acid and salts / 7H-全氟庚酸及其盐	1546-95-8, et. al.	7HPFHpA
2H,2H,3H,3H-Perfluoroundecanoic acid and salts / 2H,2H,3H,3H-全氟十一烷酸及其盐	34598-33-9, et. al.	4HPFUnA
1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts / 1H,1H,2H,2H-全氟辛烷磺酸及其盐	27619-97-2, et. al.	6:2 FTS
Partially fluorinated linear alcohols / 部分氟化线性醇		
1H,1H,2H,2H-Perfluoro-1-hexanol / 1H, 1H, 2H, 2H-全氟-1-己醇	2043-47-2	4:2 FTOH
1H,1H,2H,2H-Perfluoro-1-octanol / 1H, 1H, 2H, 2H-全氟-1-辛醇	647-42-7	6:2 FTOH
1H,1H,2H,2H-Perfluoro-1-decanol / 1H, 1H, 2H, 2H-全氟-1-癸醇	678-39-7	8:2 FTOH
1H,1H,2H,2H-Perfluoro-1-dodecanol / 1H, 1H, 2H, 2H-全氟-1-十二烷醇	865-86-1	10:2 FTOH
Esters of fluorinated alcohols with acrylic acid / 氟化醇与丙烯酸的酯		
1H,1H,2H,2H-Perfluorooctyl acrylate / 1H, 1H, 2H, 2H-全氟辛基丙烯酸酯	17527-29-6	6:2 FTA
1H,1H,2H,2H-Perfluorodecyl acrylate / 1H, 1H, 2H, 2H-全氟癸基丙烯酸酯	27905-45-9	8:2 FTA
1H,1H,2H,2H-Perfluorododecyl acrylate / 1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯	17741-60-5	10:2 FTA
PFOA related Substances / PFOA 相关物质		
1H,1H,2H,2H-Perfluorodecyl acrylate / 1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯	27905-45-9	8:2 FTA
1H,1H,2H,2H-Perfluoro-1-decanol / 1H, 1H, 2H, 2H-全氟-1-癸醇	678-39-7	8:2 FTOH
1H,1H,2H,2H-Perfluorodecanesulphonic acid and its salts / 1H,1H,2H,2H-全氟辛烷磺酸及其盐	39108-34-4, et. al.	8:2 FTS



STANDARD
100

Heavy Metals / 重金属

Name / 名称

Sb (Antimony / 锑)

As (Arsenic / 砷)

Pb (Lead / 铅)

Cd (Cadmium / 镉)

Cr (Chromium / 铬)

Co (Cobalt / 钴)

CAS-Nr.

7440-36-0, et. al.

7440-38-2, et. al.

7439-92-1, et. al.

7440-43-9, et. al.

7440-47-3, et. al.

7440-48-4, et. al.

Name / 名称

Cu (Copper / 铜)

Ni (Nickel / 镍)

Hg (Mercury / 汞)

Ba (Barium / 钡)

Se (Selenium / 硒)

CAS-Nr.

7440-50-8, et. al.

7440-02-0, et. al.

7439-97-6, et. al.

7440-39-3, et. al.

7782-49-2, et. al.