

 <small>ASSOCIATION POUR L'ASSURANCE QUALITÉ DES FABRICANTS DE BRACELETS CUIR</small>	<b>DOC nb</b>	LIS005_08
	<b>Replace</b>	LIS005_07
<b>RESTRICTED SUBSTANCES LIST FOR PLASTIC &amp; RUBBER</b>		
<b>Application date: 30Sep24</b>		Page 1/9
Written by	Quality review (signature/date)	Process owner (signature/date)
	 24-Sep-2024	 25-Sep-2024
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### Change log

Version	Date	Modification
07	14Sep23	Revision (validation TWG by mail 30Aug23) <ul style="list-style-type: none"> <li>- Page 2/8 : End of option Top or Insides options for textiles and cork</li> <li>- Suppression of formaldehyde</li> <li>- Bisphenol S : entry SVHC =&gt; limit 1'000 mg/kg</li> <li>- Flame retardant : Add of Tetrabromobisphenol ,A and brominated DEHP</li> <li>- Metals : suppression of total Arsenic</li> <li>- Metals : Add of extractable As, Cd, Pb and Hg (entry 72 of REACH restrictions – Annexe XVII)</li> <li>- Metals :Add of Total Organic Fluorine (TOF) for polymeric PFAS testing</li> <li>- PAHs : Correction of the substance name with n° CAS 83-32-9</li> <li>- PFAS : Update of table – Suppression of all C9-C14 PFAS</li> <li>- Phenols : Suppression of PTAP, 4-HP and PTBP</li> </ul>
08	30Sep24	Revision (validation TWG 04Sep24 -action CQI-24-152) <ul style="list-style-type: none"> <li>- Scope of the document – Focus on plastic &amp; rubber (definitions concerning textiles used as insides transferred in RSL for textiles dans threads (LIS008_07)</li> <li>- Entry 72 of REACH.- new chapter for legal basis of integration in the scope of this entry of Annex XVII of REACH</li> <li>- Anti-UV - add of UV-326 (bumetrizole) and UV-329</li> <li>- Bisphenols – change of ISO method</li> <li>- Metals - Withdrawn of total tin (organostannic option integrated in the list)</li> <li>- Metals - Chromium (VI) from 1'000 mg/kg (RoHS) to 1 mg/kg extractable to satisfy entry 72 of Annex XVII of REACH</li> <li>- Metals - Suppression of TOF (present and sufficient in AQC Monitoring list for plastic/rubber LIS034)</li> <li>- PFAS – Add of PFHxS salts and related substances (C4-C7 PFAS sub-family)</li> <li>- Phenols - Add of a SVHC (2,4,6-tri-tert-butylphenol) and free choice of method by lab, add of resorcinol (AGEC SVHC)</li> <li>- Phthalates - Add of DIOP (AGEC SVHC)</li> <li>- Add of notes 1 et 2 for aromatic amines and Chromium (VI) compounds at the end of the document</li> </ul>

### Associated document (level 1)

Document	Title
MAQ016	Chemical Compliance Process

### Associated document (level 2)

Document	Title
PRO007	Management of AQC Quality control for insides

### Associated document (level 3)\*

Document	Title
-	-

\* Some Internal documents are not disclosed.

### Scope of the document

This document defines the list of restricted dangerous chemical substances and testing requirements for plastic and rubber materials used in leather bracelet manufacturing. These materials could be used in different cases:

- Plastic insert
- Rubber inlay
- Rubber inlay with integrated insert
- Rubber part for bicomponent leather/rubber bracelet

For the definition of the limit present in this Restricted Substances list (RSL), AQC takes into consideration all the current international regulations for dangerous substances available and select the strictest limit. The list of chemicals present in this document has been selected on a risk-based approach completed by AQC experience and knowledge.

International regulations mentioned in this document are:

Abbreviation	Regulation	Country	Comment
AGEC	"anti-waste for a circular economy law" of February 10, 2020	France	SVHC substances in the "Arrêté du 30 août 2023"
EU POP	Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	European Union	-
JP 112	Law on Control of Household Products Containing Harmful Substances	Japan	-
OChim	Ordinance on Protection against Dangerous Substances and Preparations	Switzerland	-
ORRChim	Ordinance on the Reduction of Risks relating to the Use of Certain Particularly Dangerous Substances, Preparations and Articles	Switzerland	-
Proposition 65	Safe Drinking Water and Toxic Enforcement Act	USA (California)	-
REACH XVII	Regulation (EC) no 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)	Europe	Annex XVII Substances subject to restriction
REACH SVHC			Substances of Very High Concern

### Specific AQC considerations

In the column for regulation, "AQC" stands for extra-regulatory limit set by AQC in a pro-active way:

- "AQC" alone is applied for substances without known regulation  
For some substances, AQC performs testing without limit (for information) or with a limit concentration
- (AQC) after a regulation indicates that the scope has been enlarged to plastic and rubber materials by AQC or that the limit applied by AQC is lower than requested by the more stringent regulation.

### Entry 72 of Annex XVII of REACH

As precisely described in the *EXPLANATORY GUIDE ON THE RESTRICTION ON CMRs 1A and 1B IN TEXTILES AND CLOTHING* endorsed by CARACAL on 27 June 2018 [CA/44/2018], watch bracelets ("wristwatch straps") are in the scope of entry 72.

In compliance with Q&A 1805 version 1.0 of 02 June 2021, any material that enters the composition of an article in contact with human skin under normal and reasonably foreseeable conditions of use falls into the scope of this entry (cf extract below).

*Entry 72 of Annex XVII to REACH – CMR substances in clothing, other textile*

**Does the restriction in entry 72 on specific substances which are carcinogenic, mutagenic and toxic to reproduction apply to clothing or related accessories such as rainwear, accessories or footwear mainly made of plastic material or synthetic leather?**

Yes. The European Commission has published an [explanatory guide](#) concerning the restriction under Entry 72 of Annex XVII to REACH aiming to clarify the scope of the articles intended to be covered by the restriction. It provides a non-exhaustive list of articles which are considered to be within the scope of the restriction and those that are not. The raw material of articles is not a determining factor for the application of the restriction, but rather the nature of the article in question, i.e. is it clothing, a related accessory, a textile other than clothing which under normal or reasonably foreseeable conditions of use comes into contact with human skin to an extent similar to clothing or footwear. Raincoats are explicitly mentioned as an example of articles covered by the restriction in the explanatory guide. According to paragraph 3 of the entry, the restriction does not apply to clothing, related accessories, footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide. It does not apply either to non-textile fasteners and non-textile decorative attachments.

**Modified Date:** 02/06/2021

**ID:** 1805

**Version:** 1.0

Therefore, AQC considers rubber and plastic accessories, even if they are not in direct contact with skin, to be in the scope of the entry 72.

### Limit for REACH and AGEC SVHCs

Article 33(1) of REACH requires that a supplier of articles containing a SVHC included in the Candidate List for authorization in a concentration above 0.1% (w/w) has to provide relevant safety information to the recipients of these articles (Watch Brands). Upon request of a consumer, Watch Brands have to provide relevant safety information about the SVHC to this consumer (Article 33(2) of REACH). This requirement is also present in Swiss ordinance OChim, article 71.

In article L451-9-1 of AGEC law, it is requested to inform consumers through a labelling of the product, any presence of dangerous substance (also called SVHCs in this document for practical reasons). Limit concentration for information of the consumer is 0.1% (w/w).

There is no regulatory requirement to limit SVHCs content in articles to 1'000 mg/kg. Nevertheless, AQC Bracelet manufacturers limit all SVHC listed substances to 1'000 mg/kg in leather bracelet and its components before manufacturing.

### AQC limit for Proposition 65

For substances listed in the Proposition 65 California, AQC limits take into account the limit in articles present in the case law of Proposition 65 and more precisely the limits indicated in the reformulation injunctions of settlements and judgements.

AQC considers in case law: leather articles and related articles to the watch bracelet but also any other articles with a related exposure scenario (skin contact).

For substances without any indication of a limit in articles, AQC performs testing of a risk-based selection of substances potentially used for leather production and keeps available for Watch Brands all the data as a support for labelling decision.

### AQC limit for EU POP

AQC limits for substances EU POP regulation are in full accordance with the terms detailed for each substance.

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General requirements for laboratory testing

- Sample picture

Pictures of samples received by the laboratory have to be taken **without** plastic bag.

- Sample preparation

Sample preparation methods to apply are the ones described in normalized analytical methods.  
AQC has no specific requirement for samples preparation when internal methods are applied by the laboratory.

Metallic inserts should be removed from the material before sample preparation.  
They could be tested according AQC RSL for metals (LIS007) if indicated in the testing request form.

## RESTRICTED SUBSTANCES LIST FOR PLASTIC & RUBBER

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Test Method
Aromatic amines	Biphenyl-4-ylamine	-	92-67-1	< 30 mg/kg each	REACH XVII entry 43 & entry 72 <sup>1</sup>	ISO 14362 adapted
	Benzidine	-	92-87-5			
	4-chloro-o-toluidine <sup>1</sup>	-	95-69-2			
	2-naphthylamine <sup>1</sup>	-	91-59-8			
	4-o-tolylazo-o-toluidine	-	97-56-3			
	5-nitro-o-toluidine	-	99-55-8			
	4-chloroaniline	-	106-47-8			
	4-methoxy-m-phenylenediamine <sup>1</sup>	-	615-05-4			
	4,4'-methylenedianiline	MDA	101-77-9			
	3,3'-dichlorobenzidine	-	91-94-1			
	3,3'-dimethoxybenzidine	-	119-90-4			
	4,4'-bi-o-toluidine	-	119-93-7			
	4,4'-methylenedi-o-toluidine	-	838-88-0			
	6-methoxy-m-toluidine	-	120-71-8			
	4,4'-methylenebis[2-chloroaniline]	MOCA	101-14-4			
	4,4'-oxydianiline	-	101-80-4			
	4,4'-thiodianiline	-	139-65-1			
	o-toluidine	-	95-53-4			
	4-methyl-m-phenylenediamine	-	95-80-7			
	2,4,5-trimethylaniline <sup>1</sup>	-	137-17-7			
4-methyl-m-phenylenediamine	-	90-04-0				
4-aminoazobenzene	-	60-09-3				
2,6-xylidine	-	87-62-7				
2,4-xylidine	-	95-68-1				
Anti-UV	2-benzotriazol-2-yl-4,6-di-tert-butylphenol	UV-320	3846-71-7	1'000 mg/kg	REACH SVHC	Solvent extraction GC-MS detection
	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	UV-327	3864-99-1	1'000 mg/kg		
	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	UV-328	25973-55-1	1'000 mg/kg		
	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	UV-350	36437-37-3	1'000 mg/kg		
	2-(2'-Hydroxy-3'-t-butyl-5'-methylphenyl)-5-chlorobenzotriazole (Bumetrizole)	UV-326	3896-11-5	1'000 mg/kg		
	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethyl butyl)phenol	UV-329	3147-75-9	1'000 mg/kg		
Antioxidant	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	-	119-47-1	1'000 mg/kg	REACH SVHC	Solvent extraction GC-MS detection
Bisphenols	4,4'-isopropylidenediphenol (bisphenol A)	BPA	80-05-7	1'000 mg/kg	REACH SVHC	ISO 23377
	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	BPB	77-40-7	1'000 mg/kg		
	4,4'-sulphonyldiphenol (bisphenol S)	BPS	80-09-1	1'000 mg/kg		
	2,2'-methylenediphenol (bisphenol F)	BPF	2467-02-9	for information	AQC	
	4,4'-[2,2,2-trifluoro-1 (trifluoromethyl)ethylidene] diphenol (bisphenol AF)	BPAF	1478-61-1	for information		
Chlorine compounds	Alkanes, C10-13, chloro	SCCP	85535-84-8	1'000 mg/kg	REACH SVHC	Internal method
	Alkanes, C14-17, chloro	MCCP	85535-85-9	1'000 mg/kg	REACH SVHC	

## RESTRICTED SUBSTANCES LIST FOR PLASTIC & RUBBER

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Testing Method		
Flame retardants	Polybromobiphenyls	PBB	59536-65-1	not detected	REACH XVII entry 8 (AQC)	ISO 17881 adapted		
	Diphenyl ether, pentabromo derivative	PentaBDE	32534-81-9	not detected	EU POP			
	Diphenyl ether, octabromo derivative	OctaBDE	32536-52-0	not detected				
	Diphenyl ether, decabromo derivative	DecaBDE	1163-19-5	not detected				
	Diphenyl ether, tetrabromo derivative	TetraBDE	40088-47-9	not detected				
	Diphenyl ether, heptabromo derivative	HeptaBDE	68928-80-3	not detected				
	Diphenyl ether, hexabromo derivative	HexaBDE	36483-60-0	not detected	AQC			
	Diphenyl ether, nonabromo derivative	NonaBDE	63936-56-1	not detected	Proposition 65 (AQC)			
	Hexabromocyclododecane and isomers	HBCDD	Several CAS	not detected	REACH SVHC			
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Tetrabromobisphenol A)	TBBPA	79-94-7	1'000 mg/kg				
Bis(2-ethylhexyl) tetrabromophthalate	-	26040-51-7	1'000 mg/kg					
Metals	Cadmium	Cd	7440-43-9	100 mg/kg	REACH XVII entry 23	EPA 3050B or EN 16711-1		
	Lead	Pb	7439-92-1	100 mg/kg	Prop65 (2012-00629)			
	Mercury	Hg	7439-97-6	1 mg/kg	JP 112			
	Chromium (VI) <sup>2</sup>	Cr(VI)	18540-29-9	1 mg/kg	REACH XVII entry 72	ISO 17075-2 adapted		
	Cadmium (extractable)	Cd	7440-43-9	1 mg/kg		EN 16711-2		
	Lead (extractable)	Pb	7439-92-1	1 mg/kg				
	Mercury (extractable)	Hg	7439-97-6	1 mg/kg				
	Arsenic (extractable)	As	7440-38-1	1 mg/kg				
Organostannic compounds	Tributyltin and related compounds Incl. TBT metacrylate	TBT	several CAS incl. 2155-70-6	1'000 mg/kg each	REACH XVII entry 20 & REACH SVHC	ISO 16179 adapted		
	Triphenyltin and related compounds Incl. TPT hydroxide	TPT	several CAS incl. 76-87-9					
	All other tri-substituted tin compounds	-	Several CAS					
	Dibutyltin and related compounds	DBT	several CAS incl. 683-18-1					
	Diocetyl tin and related compounds	DOT	several CAS					
	di-μ-oxo-di-n-butylstanniohydroxyborane	DBB	75113-37-0		ORRChim REACH XVII entry 21			
Phenols	Octylphenols - 4-(1,1,3,3-tetramethylbutyl)phenol	OP PTOP	- 140-66-9	100 mg/kg (sum OP+OPEO)	REACH SVHC OChim (AQC)	Internal method		
	Octylphenol ethoxylates - 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	OPEO -	- 9002-93-1 2497-59-8 2315-67-5 2315-61-9					
	Nonylphenols incl. - 4-Nonylphenol, branched and linear - Isononylphenol	NP 4-NP -	25154-52-3 several CAS 11066-49-2				100 mg/kg (sum NP+NPEO)	REACH SVHC (AQC)
	Nonylphenol Ethoxylates incl. - 4-Nonylphenol, branched and linear, ethoxylated - Isononylphenol, ethoxylated	NPEO (4-NPEO) -	- several CAS incl. 26027-38-3 37205-87-1					
	2,4,6-tri-tert-butylphenol	-	732-26-3	1'000 mg/kg	REACH SVHC			
	1,3-benzenediol (Resorcinol)	-	108-46-3	1'000 mg/kg	AGEC SVHC			



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Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Test Method
PFOS and related substances	Perfluorooctanesulfonic acid	PFOS	1763-23-1	0.01 mg/kg (sum)	ORRChim EU POP (AQC)	
	Perfluorooctanesulfonic acid, potassium salt	PFOS-K	2795-39-3			
	Perfluorooctanesulfonic acid, lithium salt	PFOS-Li	29457-72-5			
	Perfluorooctanesulfonic acid, ammonium salt	PFOS-NH <sub>4</sub>	29081-56-9			
	Perfluorooctane sulfonate diethanolamine salt	PFOS-NH(OH) <sub>2</sub>	70225-14-8			
	Perfluorooctanesulfonic acid, tetraethylammonium salt	PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub>	56773-42-3			
	N-Ethylperfluoro-1-octanesulfonamide	N-Et-FOSA	4151-50-2			
	N-Methylperfluoro-1-octanesulfonamide	N-Me-FOSA	31506-32-8			
	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol	N-Et-FOSE	1691-99-2			
	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol	N-Me-FOSE	24448-09-7			
	Perfluoro-1-octanesulfonyl fluoride	POSF	307-35-7			
	Perfluorooctane sulfonamide	PFOSA	754-91-6			
	1-Decanaminium, N-decyl-N,N-dimethyl-, salt with heptadecafluorooctane-1-sulfonic acid (1:1)	-	251099-16-8			
PFOA and its salts	Perfluorooctanoic acid	PFOA	335-67-1	0.025 mg/kg (sum)	EU POP	ISO 23702-1
	Sodium perfluorooctanoate	PFOA-Na	335-95-5			
	Potassium perfluorooctanoate	PFOA-K	2395-00-8			
	Silver perfluorooctanoate	PFOA-Ag	335-93-3			
	Perfluorooctanoyl fluoride	PFOA-F	335-66-0			
	Ammonium pentadecafluorooctanoate	APFO	3825-26-1			
	Chromium(3+) perfluorooctanoate	-	68141-02-6			
	Ethanaminium, N,N,N-triethyl-, salt with pentadecafluorooctanoic acid (1:1)	-	98241-25-9			
PFOA related substances	1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	1 mg/kg (sum)	EU POP	ISO 23702-1
	Methyl perfluorooctanoate (Me-PFOA)	Me-PFOA	376-27-2			
	Ethyl perfluorooctanoate (Et-PFOA)	Et-PFOA	3108-24-5			
	2-Perfluorooctylethanol (8:2 FTOH)	8:2 FTOH	678-39-7			
	1H,1H,2H,2H-Perfluorodecyl acrylate	8:2 FTA	27905-45-9			
	1H,1H,2H,2H-Perfluorodecyl methacrylate	8:2 FTMA	1996-88-9			
	2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9			
	Perfluoro-3,7-dimethyloctanoic acid	PF3,7 DMOA	172155-07-6			
	1H,1H,2H,2H-Perfluorododecyl acrylate	10:2 FTA	17741-60-5			
	1H,1H,2H,2H-Perfluorododecan-1-ol	10:2 FTOH	865-86-1			
C4-C7 PFAS	Perfluorohexane-1-sulphonic acid	PFHxS	355-46-4	0.025 mg/kg (sum)	EU POP ORRChim	
	Perfluorohexane sulfonyl fluoride	PFHxSF	423-50-7			
	Perfluorohexane sulfonate ammonium salt	PFHxS-NH <sub>4</sub>	68259-08-5			
	Potassium N-ethyl-N-[(tridecafluorohexyl)sulphonyl]glycinate	-	67584-53-6	1 mg/kg (sum)		
	Tridecafluoro-N-methylhexanesulphonamide	-	68259-15-4			
	Perfluorohexanesulfonamide	-	41997-13-1			
	Perfluorobutane sulfonic acid and its salts	PFBS	375-73-5 375-72-4 25628-08-4 34454-97-2	1'000 mg/kg	REACH SVHC	
	Perfluoroheptanoic acid and its ammonium, sodium and potassium salts	PFHpA	375-85-9 6130-43-4 20109-59-5 21049-36-5	1'000 mg/kg		
	Undecafluorohexanoic acid, its salts and related substances	PFHxA	several	for information		

## RESTRICTED SUBSTANCES LIST FOR PLASTIC & RUBBER

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Testing Method
Phthalates	Diisobutyl phthalate	DIBP	84-69-5	1'000 mg/kg (sum)	REACH XVII (entry 51)	ISO 14389
	Dibutyl phthalate	DBP	84-74-2			
	Benzyl butyl phthalate	BBP	85-68-7			
	Bis(2-ethylhexyl) phthalate	DEHP	117-81-7			
	Bis(2-methoxyethyl) phthalate	DMEP	117-82-8	1'000 mg/kg (each)	REACH SVHC	
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	DHNUP (L&R)	68515-42-4			
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	-	71888-89-6			
	Di-isopentyl phthalate	DIPP	605-50-5			
	Di-n-pentyl phthalate	DnPP	131-18-0			
	N-pentyl-isopentylphthalate	nPIPP	776297-69-9			
	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	DNIPP (L&R)	84777-06-0			
	Di-n-hexyl phthalate	DnHP	84-75-3			
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	DIHxP (L&R)	68515-50-4			
	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	68648-93-1 68515-51-5			
	Dicyclohexyl phthalate	DHCP	84-61-7			
	Diisohexyl phthalate	DIHP	71850-09-4			
	Di-n-octyl phthalate	DNOP	117-84-0			
	Di-"isononyl" phthalate	DINP	28553-12-0 68515-48-0			
Di-"iso-decyl" phthalate	DIDP	26761-40-0 68515-49-1				
Diisooctyl phthalate	DIOP	27554-26-3	1'000 mg/kg	AGEC SVHC		
Polycyclic Aromatic Hydrocarbons (PAHs)	Benzo(a)pyrene	BaP	50-32-8	1 mg/kg	REACH XVII entry 50 ORRChim	AfPS-GS-2019-01-PAK
	Benzo(a)anthracene	BaA	56-55-3	1 mg/kg		
	Benzo(b)fluoranthene	BbF	205-99-2	1 mg/kg		
	Benzo(e)pyrene	BeP	192-97-2	1 mg/kg		
	Benzo(j)fluoranthene	BjF	205-82-3	1 mg/kg		
	Benzo(k)fluoranthene	BkF	207-08-9	1 mg/kg		
	Chrysene	CHR	218-01-9	1 mg/kg		
	Dibenzo(a,h)anthracene	DBA	53-70-3	1 mg/kg		
	Phenanthrene	PEH	85-01-8	1'000 mg/kg	REACH SVHC OChim	
	Fluoranthene	FLT	206-44-0	1'000 mg/kg		
	Pyrene	PYR	129-00-0	1'000 mg/kg		
	Benzo(g,h,i)perylene	BPE	191-24-2	1'000 mg/kg		
	Anthracene	-	120-12-7	1'000 mg/kg	Prop65	
	Indeno(1,2,3-cd)pyrene	IPY	193-39-5	for information		
	Naphtalene	NAP	91-20-3	for information	AQC	
	Acenaphthylene	ANY	208-96-8	for information		
	Acenaphthene	ANA	83-32-9	for information		
	Fluorene	FLU	86-73-7	for information		



## NOTES

<sup>1</sup> Analytical equivalence between aromatic amines listed in entry 43 and entry 72 of REACH Annex XVII

Entry 43			Entry 72		
Substance name	CAS number	Formula	Substance name	CAS number	Formula
4-chloro-o-toluidine	95-69-2		4-chloro-o-toluidinium chloride	3165-93-3	
2-naphthylamine	91-59-8		2-naphthylammoniumacetate	553-00-4	
4-methoxy-m-phenylenediamine	615-05-4		4-methoxy-m-phenylenediammonium sulphate	39146-41-7	
2,4,5-trimethylaniline	137-17-7		2,4,5-trimethylaniline hydrochloride	21436-97-5	

<sup>2</sup> Chromium (VI) related substances stand for the following substances:

- Sodium chromate (CAS 7775-11-3)
- Sodium dichromate (CAS 7789-12-0, CAS 10588-01-9)
- Potassium chromate (CAS 7789-00-6)
- Potassium dichromate (CAS 7778-50-9)
- Ammonium dichromate (CAS 7789-09-5)
- Chromium trioxide (CAS 1333-82-0)
- Chromic acid (CAS 7738-94-5)
- Oligomers of chromic acid and dichromic acid and strontium chromate (CAS 7789-06-2)
- Potassium hydroxyoctaoxodizincatedichromate (1-) (CAS 11103-86-9)
- Pentazinc chromate octahydroxide (CAS 49663-84-5)
- Dichromium tris(chromate) (CAS 24613-89-6)









# LIS005\_08 AQC RSL for Plastic and Rubber

Final Audit Report

2024-09-25

Created:	2024-09-24
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Status:	Signed
Transaction ID:	CBJCHBCAABAAOEsyIp6bcGGDtHBCq-LeOHqphFtTmB2J

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