

 ASSOCIATION POUR L'ASSURANCE QUALITÉ DES FABRICANTS DE BRACELETS CUIR	DOC nb	LIS010_05
	Replace	LIS010_04
AQC RESTRICTED SUBSTANCES LIST FOR LEATHER BRACELET		
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Written by	Quality review (signature/date)	Process owner (signature / date)
	 Sep 1, 2021	 Sep 1, 2021
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Change log

Version	Date	Modification
03	16Aug19	Revision: <ul style="list-style-type: none"> Title change – suppression of “Production” to avoid confusion with mRSL. Aromatic amines: addition of aniline and para-phenylenediamine PAHs: addition of non-regulated PHAs for the future integration of rubber bi-component bracelets in the scope of the AQC Label. Phthalates: new REACH restriction limit for DBP+BBP+DEHP+DIBP – addition of DCHP. Perfluorinated: suppression of Fluoride detection by EDX/RX PFOA : change of the limit in accordance to REACH annex XVII restriction Flame retardants: complete review of the list and subdivision into brominated and phosphated families.
04	18Sep20	Revision: <ul style="list-style-type: none"> Complete review of the document (approval TWG 20Aug20) Only 1 list instead of 2 priorities Based on AQC RSL for leather (LIS001_09) with the following additions/changes: <ul style="list-style-type: none"> Addition of 25 disperse dyes (from REACH restriction proposal Allergens in leather and Navy blue dye (SVHC) Metals Cobalt and Nickel: total content (ISO 17072-2) replace by extractible (ISO 17072-1) Phenols: addition of PTBP, PTPP and 4-HP DMFo replaced by 12 VOCs (including DMFo and BTEX) Addition of DBB in organotins
05	01Sep21	Revision: <ul style="list-style-type: none"> New entry in SVHC list: Transfer of Glutaraldehyde from metal free option to standard testing pack New entry of SVHC list: limit for MCCP from “for information” to “1'000 mg/kg” and precision of CAS numbers related to this group of substances New entry in SVHC list : Addition Bisphenol B with a limit of 1'000 mg/kg. Bisphenols A is also added with a limit of 1'000 mg/kg (SVHC) and Bisphenols AF, F and S added “for information” to prepare the potential REACH restriction for bisphenols. Addition of 2-Methoxyethanol (SVHC) CAS No.109-86-4 New REACH annex XVII entry for C9-C14 PFCAs (entry 68)

Associated document (level 1)

Document	Title
MAQ016	Process sheet – Chemical Compliance Components & Bracelets

Associated document (level 2)

Document	Title
-	-

Associated document (level 3)

Document	Title
LIS007	AQC RSL for metals

Scope of the document

This document defines the list of restricted dangerous chemical substances and testing requirements in the context of leather bracelet as specified by AQC.

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 the basis of a risk-based approach completed by AQC experience and knowledge.

International regulations mentioned in this document are:

Abbreviation	Regulation	Country	Comment
16CFR1303	Ban of lead-containing paint and certain consumer products bearing lead-containing paint	USA	-
EU 2016/425	Regulation (EU) 2016/425 of the European Parliament and of the council of 9 March 2016 on Personal Protective Equipment	European Union	pH limits present in NF EN 420 norm Protective gloves - General requirements and test methods - Gants de protection
EU POP annex A	Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	European Union	Annex A : Elimination
EU POP Annex B			Annex B : Restriction
GB 20400-2006	Leather and fur—Limit of harmful matter	China	-
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 XIV	Regulation (EC) no 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)	European Union	Annex XIV Substances subject to authorisation
REACH XVII			Annex XVII Substances subject to restriction
REACH SVHC			Substances of Very High Concern

Specific AQC consideration

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 indicate that the scope has been enlarged to leather by AQC or that the limit applied by AQC is lower than requested by the more stringent regulation.

Examples:

- TEPA (CAS 545-55-1)

AQC limit
REACH Annex XVII Entry 7 (AQC)

Entry 7 of REACH Annex XVII bans the use of this substance in textile only.
AQC applies extra-legal limit by also applying TEPA ban to leather.

- Organotins

AQC limit	Regulation
1 mg/kg of tin	REACH XVII entry 20 (AQC)

Entry 20 of the annex XVII of REACH limits certain organo-tins to 1000 mg/kg.

AQC Bracelet manufacturers apply an extra-legal limit of 1 mg/kg for total tin.

AQC limit for REACH 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)

There is no regulatory requirement to limit SVHC 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 also in leather 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 article 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 listed in Annex A (elimination) of the EU POP regulation is "not detectable" otherwise some specific limits are indicated for leather (ex: SCCP)

AQC limits for substances listed in Annex B (restriction) of the EU POP regulation is in accordance with the specific indications for leather (ex: PFOS)

General requirements for laboratory testing

- Sample picture

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

- Sample preparation

Leather bracelet samples are prepared as followed:

- Chromium (VI) and VOCs: 1 bracelet strand is entirely cut as described in ISO 4044
- All other methods: bracelets are grinded as described in ISO 4044

Metallic inserts should be removed from the bracelet before grinding. They could be tested per AQC RSL for metals (LIS007)

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Test Method
Aldehyde	Formaldehyde	-	50-00-0	75 mg/kg	GB 20400-2006	ISO 17226-1
	Glutaraldehyde	-	111-30-8	1000 mg/kg	REACH SVHC	adapted ISO 17226-1
Aromatic amines	Biphenyl-4-ylamine	-	92-67-1	< 30 mg/kg each	REACH XVII (entry 43)	ISO 17234
	Benzidine	-	92-87-5			
	4-chloro-o-toluidine	-	95-69-2			
	2-naphthylamine	-	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	-	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	-	137-17-7			
4-methyl-m-phenylenediamine	-	90-04-0				
4-aminoazobenzene	-	60-09-3				
2,6-xylydine	-	87-62-7				
2,4-xylydine	-	95-68-1				
Formaldehyde, oligomeric reaction products with aniline	Polymeric MDA	25214-70-4	for information	AQC		
p-phenylenediamine	PPD	106-50-3		Prop 65		
Aniline	-	62-53-3				
Biocides	(benzothiazol-2-ylthio) methyl thiocyanate	TCMTB	21564-17-0	for information	AQC	ISO 13365
	4-chloro-3-methylphenol (chlorocresol)	PCMC	59-50-7	for information	AQC	
	Biphenyl-2-ol	OPP	90-43-7	for information	Prop 65	
	2-octyl-2H-isothiazol-3-one	OIT	26530-20-1	for information	AQC	
	Dimethylfumarate	DMFu	624-49-7	0.1 mg/kg	REACH XVII (entry 61) ORRChim	ISO 16186
Bisphenols	4,4'-isopropylidenediphenol (bisphenol A)	BPA	80-05-7	1000 mg/kg	REACH SVHC	Methanol extraction/ultrasound LC detection
	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	BPB	77-40-7	1000 mg/kg		
	4,4'-[2,2,2-trifluoro-1 (trifluoromethyl)ethylidene]diphenol (bisphenol AF)	BPAF	1478-61-1	For information	REACH restriction intention	
	2,2'-methylenebisphenol (bisphenol F)	BPF	2467-02-9			
	4,4'-sulphonyldiphenol (bisphenol S)	BPS	80-09-1			
Chlorophenols	Pentachlorophenols	PCP	87-86-5	0.5 mg/kg	ORRChim	ISO 17070
	Tetrachlorophenols	TeCP	25167-83-3	0.5 mg/kg	ORRChim	
	2,3,4,5-		4901-51-3			
	2,3,4,6-		58-90-2			
2,3,5,6-	935-95-5					
2,4,6-Trichlorophenols	TCP	88-06-2	for information	Prop65		
Chlorine compounds	Alkanes, C10-13, chloro	SCCP	85535-84-8	1000 mg/kg	REACH SVHC ORRChim EU POP. Annex A	ISO 18219
	Alkanes, C14-17, chloro	MCCP	85535-85-9 198840-65-2 1372804-76-6	1000 mg/kg	REACH SVHC	
Disperse dyes	Navy blue dye	-	118685-33-9	1000 mg/kg	REACH XVII Entry 43 (appx 9) (AQC)	DIN 54231

AQC Restricted Substances List for leather bracelet

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Test Method
Disperse dyes	CI Disperse Blue 3	-	2475-46-9	for information	REACH XVII proposal (AQC)	DIN 54231
	CI Disperse Blue 7	-	3179-90-6			
	CI Disperse Blue 26	-	3860-63-7			
	CI Disperse Blue 35	-	12222-75-2			
	CI Disperse Blue 102	-	12222-97-8			
	Ci Disperse Blue 106	-	68516-81-4			
	CI Disperse Blue 124	-	15141-18-1			
	CI Disperse Blue 291	-	56548-64-2			
	CI Disperse Brown 1	-	23355-64-8			
	CI Disperse Orange 1	-	2581-69-3			
	CI Disperse Orange 3	-	730-40-5			
	CI Disperse Orange 37/59/76	-	13301-61-6 12223-33-5 51811-42-8			
	CI Disperse Red 1	-	2872-52-8			
	CI Disperse Red 11	-	2872-48-2			
	CI Disperse Red 17	-	3179-89-3			
	CI Disperse Yellow 1	-	119-15-3			
	CI Disperse Yellow 9	-	6373-73-5			
	CI Disperse Yellow 23	-	6250-23-3			
	CI Disperse Yellow 39	-	12236-29-2			
CI Disperse Yellow 49	-	54824-37-2				
CI Disperse Yellow 64	-	10319-14-9				
CI Disperse Orange 149	-	85136-74-9				
CI Disperse Violet 1	-	128-95-0				
CI Disperse Violet 93	-	122463-28-9				
Flame retardants	Polybromobiphenyls	PBB	59536-65-1	not detected	REACH XVII entry 8 (AQC)	ISO 17881-1
	Diphenyl ether, pentabromo derivative	PentaBDE	32534-81-9	not detected	EU POP annex A	
	Diphenyl ether, octabromo derivative	OctaBDE	32536-52-0	not detected	EU POP annex A	
	Diphenyl ether, decabromo derivative	DecaBDE	1163-19-5	not detected	EU POP Annex A	
	Diphenyl ether, tetrabromo derivative	TetraBDE	40088-47-9	not detected	EU POP Annex A	
	Diphenyl ether, heptabromo derivative	HeptaBDE	68928-80-3	not detected	EU POP annex A	
	Diphenyl ether, hexabromo derivative	HexaBDE	36483-60-0	not detected	EU POP annex A	
	Diphenyl ether, nonabromo derivative	NonaBDE	63936-56-1	not detected	AQC	ISO 17881-2
	Hexabromocyclododecane and isomers	HBCDD	Several CAS	25 mg/kg	Prop 65	
	Tris(1,3-dichloro-2-propyl)phosphate	TDCCP	13674-87-8	25 mg/kg	Prop 65	
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Tetrabromobisphenol A)	TBPA	79-94-7	information	Prop65	
	Tri(aziridin-1-yl) phosphine oxide	TEPA	545-55-1	not detected	REACH XVII entry 7 (AQC)	
	Tris(2-chloroethyl) phosphate	TCEP	115-96-8	25 mg/kg	Prop 65	
Tris(2,3-dibromopropyl) phosphate	TRIS	126-72-7	25 mg/kg	Prop 65		
Triphenyl phosphate	TPP	115-86-6	information	AQC		
Perfluorinated compounds	Perfluorooctane sulfonates	PFOS	1763-23-1	1 µg/m²	ORRChim EU POP annex B	CEN 15968
	Perfluorooctanoic acid and its salts	PFOA	several including 335-67-1	0.025 mg/kg	REACH XVII Entry 62	ISO 23702-1
	Perfluorooctanoic acid related substances	-	Several	1 mg/kg		
	Henicosafuoroundecanoic acid	PFUnA	2058-94-8	0.025 mg/kg (sum)	REACH XVII entry 68	
	Heptacosafuorotetradecanoic acid	PFTDA	376-06-7			
	Pentacosafuorotridecanoic acid	PFTTrDA	72629-94-8			
	Tricosafuorododecanoic acid	PFDoDA	307-55-1			
	Perfluorononanoic acid and its sodium and ammonium salts	PFNA	375-95-1			
	Nonadecafluorodecanoic acid and its sodium and ammonium salts	PFDA	3108-42-7 3830-45-3 335-76-2			
	C9-C14 PFCA related substances	-	Several			
	Perfluorohexane-1-sulphonic acid	PFHxS	355-46-4	1000 mg/kg	REACH SVHC	
	Perfluorobutane sulfonic acid and its salts	PFBS	375-73-5 375-72-4 25628-08-4 34454-97-2	1000 mg/kg		
	Undecafluorohexanoic acid, its salts and related substances	PFHxA	Several	for information		

AQC Restricted Substances List for leather bracelet

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Test Method	
Metals	Chromium (VI)	Cr(VI)	18540-29-9	3 mg/kg of dry matter	REACH XVII entry 47	ISO 17075-2	
	Cadmium	Cd	7440-43-9	100 mg/kg	REACH XVII entry 23	ISO 17072-2	
	Lead	Pb	7439-92-1	90 mg/kg	16CFR1303		
	Arsenic	As	7440-38-2	1 mg/kg	AQC		
	Mercury	Hg	7439-97-6	1 mg/kg	JP 112		
	Tin ¹	Sn	7440-31-5	1 mg/kg	REACH XVII entry 20 (AQC)		
	Chromium	Ni	7440-47-3	for information	AQC	ISO 17072-1	
	Cobalt	Co	7440-84-4		REACH XVII		
Nickel	Cr	7440-02-0	Proposal (AQC)				
Phenols	Octylphenols - 4-(1,1,3,3-tetramethylbutyl)phenol	OP (PTOP)	- 140-66-9	100 mg/kg (sum OP+OPEO)	REACH SVHC OChim Annex XIV (AQC) Sunset date 01.2021	ISO 18218	
	Octylphenol ethoxylates - 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	OPEO -	- 9002-93-1 2497-59-8 2315-67-5 2315-61-9				
	Nonylphenols - 4-Nonylphenol, branched and linear	NP 4-NP	25154-52-3 several CAS	100 mg/kg (sum NP+NPEO)	REACH SVHC Annex XIV (AQC) Sunset date 01.2021		
	Nonylphenol Ethoxylates - 4-Nonylphenol, branched and linear, ethoxylated	NPEO (4-NPEO)	- several CAS incl. 26027-38-3				
	para-tert-butylphenol	PTBP	98-54-4	25 mg/kg	REACH SVHC (AQC)	Internal method	
	p-(1,1-dimethylpropyl)phenol	PTPP	80-46-6	1000 mg/kg	REACH SVHC		
	4-heptylphenol, branched and linear	4-HP	1987-50-4 72624-02-3				
Phthalates	Diisobutyl phthalate	DIBP	84-69-5	1000 mg/kg (sum)	REACH XVII entry 51	ISO 16181	
	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	1000 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				REACH XVII entry 52 (AQC)
	Di-"isononyl" phthalate	DINP	28553-12-0 68515-48-0				
	Di-"iso-decyl" phthalate	DIDP	26761-40-0 68515-49-1				

AQC Restricted Substances List for leather bracelet

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Testing Method
Physical	Hydrogen ion	pH	-	3.5 - 9.5	EU 2016/425 (AQC)	ISO 4045
Polycyclic Aromatic Hydrocarbons (PAHs)	Benzo(a)pyrene	BaP	50-32-8	1 mg/kg	REACH XVII entry 50 ORRChim	AfPS-GS-2014-01-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	REACH SVHC OChim	
	Phenanthrene	PEH	85-01-8	1000 mg/kg		
	Fluoranthene	FLT	206-44-0	1000 mg/kg		
	Pyrene	PYR	129-00-0	1000 mg/kg		
	Benzo(g,h,i)perylene	BPE	191-24-2	1000 mg/kg	for information	
	Anthracene ²	-	191-24-2	5 mg/kg		
	Indeno(1,2,3-cd)pyrene	IPY	193-39-5			
Naphtalene	NAP	91-20-3				
Acenaphthylene	ANY	208-96-8				
Acenaphthalene	ANA	83-32-9				
Fluorene	FLU	86-73-7				
Volatile Organic Compounds (VOCs)	N,N-dimethylformamide	DMFo	68-12-2	1000 mg/kg	REACH SVHC OChim	EPA 8260C or internal Headspace GC-MS
	Formamide	-	75-12-7	1000 mg/kg		
	N,N-Dimethylacetamide	DMAC	127-19-5	1000 mg/kg		
	2-methoxyethanol	EGME	109-86-4	1000 mg/kg		
	2-ethoxyethanol	EGEE	110-80-5	1000 mg/kg		
	2-(2-methoxyethoxy)ethanol	DEGME	111-77-3	for information	REACH XVII entry 54 ORRChim (AQC)	
	n-hexane	-	110-54-3		Prop65	
	Benzene	BTEX	71-43-2			
	Toluene		108-88-3			
	Ethylbenzene		100-41-4			
	Meta-Xylene		108-38-3			
	Ortho-Xylene		95-47-6			
Para-Xylene	106-42-3		AQC			

OPTION FOR "METAL FREE" LEATHER BRACELET

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Regulation	Testing method
Tanning metals	Chromium	Cr	7440-47-3	1000 mg/kg (Sum)	AQC (inspired from ISO 15115)	ISO 17072-2
	Aluminium	Al	7429-90-5			
	Titanium	Ti	7440-32-6			
	Iron	Fe	7439-89-6			
	Zirconium	Zr	7440-67-7			

¹ In case of total Tin > 1 mg/kg, the following testing is performed:

Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Regulation	Testing Method
Organotins	Tributyltin and related compounds Incl. TBT metacrylate	TBT	several CAS incl. 2155-70-6	1000 mg/kg	REACH XVII entry 20 & REACH SVHC	ISO 16179
	Triphenyltin and related compounds Incl. TPT hydroxide	TPT	several CAS incl. 76-87-9			
	All other tri-substitued 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-butylstanniohydroxyboran (Dibutyltin hydrogen borate)	DBB	75113-37-0	1000 mg/kg	REACH XVII entry 21	

² For information - Calculation of anthracene limit

Substance family	Substance Name	CAS Number	AQC limit	Regulation
PHAs	Anthracene oil (contain 3% to 25% of anthracene)	90640-80-5	1000 mg/kg (anthracene < 30 mg/kg)	REACH SVHC
	Anthracene oil, anthracene paste (contain 15% to 50% of anthracene)	90640-81-6	1000 mg/kg (anthracene < 150 mg/kg)	
	Anthracene oil, anthracene paste, distn lights (contain 0.5% to 25% of anthracene)	91995-17-4	1000 mg/kg (anthracene < 5 mg/kg)	
	Anthracene oil, anthracene-low (contain 1% to 6% of anthracene)	90640-82-7	1000 mg/kg (anthracene < 10 mg/kg)	
	Anthracene oil, paste and fraction (contain 50% to 70% of anthracene)	91995-15-2	1000 mg/kg (anthracene < 500 mg/kg)	

AQC ALLERGEN REDUCTION PROGRAM

Allergenic Substances (H317)	Abbreviation	CAS Number	Comment
Chromium (VI)	CrVI	18540-29-9	No harmonized CLP – 3/3
Formaldehyde	-	50-00-0	H317 only if C > 2000 ppm
Trichlorophenol	-	88-06-2	-
Di-n-octyl phthalate	DNOP	117-84-0	
Dimethylfumarate	DMFu	624-49-7	
Disperse dyes (24)	-	Several CAS	For information
Aromatic amines: 4-o-tolyazo-o-toluidine	-	97-56-3	
Aromatic amines: 4-chloroaniline	-	106-47-8	
Aromatic amines: 4,4'-methylenediamine	MDA	101-77-9	
Aromatic amines: 3,3'-dichlorobenzidine	-	91-94-1	
Aromatic amines: 4,4'-methylenedi-o-toluidine	-	838-88-0	
Aromatic amines: 4-methyl-m-phenylenediamine	-	95-80-7	
Aromatic amines: p-phenylenediamine	PPD	106-50-3	For information
Aromatic amines: Aniline	-	62-53-3	For information
PAHs: benzo{def}chrysene also called benzo{a}pyrene	BaP	50-32-8	
Glutaraldehyde	-	111-30-8	For information
Biocide: (benzothiazol-2-ylthio)methyl thiocyanate	TCMTB	21564-17-0	For information
Biocide: 4-chloro-3-methylphenol (chlorocresol)	PCMC	59-50-7	For information
Biocide: 2-octyl-2H-isothiazol-3-one	OIT	26530-20-1	For information
Bisphenol A	BPA	80-05-7	
Extractable metals: Cobalt	Co	7440-84-4	For information
Extractable metals: Nickel	Ni	7440-02-0	For information
p-(1,1-dimethylpropyl)phenol	PTPP	80-46-6	
4-heptylphenol, branched and linear	4-HP	72624-02-3	
Di-μ-oxo-di-n-butylstanniohydroxyboran (Dibutyltin hydrogen borate)	DBB	75113-37-0	

Limits for substances in bold type are AQC internal requirements tighter than requested by the current regulation.









LIS010_05 AQC RSL for leather bracelet

Final Audit Report

2021-09-01

Created:	2021-09-01
By:	Sébastien Bagot (sebastien.bagot@aqc-asso.ch)
Status:	Signed
Transaction ID:	CBJCHBCAABAA6Fs1Jskox6K8exPJ-oT2R_oaDPjM_yY

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