

 ASSOCIATION POUR L'ASSURANCE QUALITÉ DES FABRICANTS DE BRACELETS CUIR		DOC nb	LIS010_06
		Replace	LIS010_05
RESTRICTED SUBSTANCES LIST FOR LEATHER BRACELET			
Application date: 21Mar22			Page 1/9
Written by	Quality review (signature/date)	Process owner (signature / date)	
	 Mar 18, 2022	 Mar 18, 2022	
Sébastien Bagot Technical & Quality Manager	David Astier QA&QC Officer	Sébastien Bagot Technical & Quality Manager	

Change log

Version	Date	Modification
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)
06	21Mar22	Revision – Decision TWG by mail 16Mar22 <ul style="list-style-type: none"> Correction of abbreviation of Nickel and Chromium (inversed) Suppression of reference to old annexes A and B of EU POP regulation (before recast in 2019) Alkyphenols: precision of isononylphenol within the 4-nonylphenol, branched and linear family PFOA: integration in EU POP Annex I – deleted from Annex XVII entry 62 Complete revue of all Per- and polyfluoroalkyl substances (PFASs) PAHs: update of method version PAHs: table for anthracene limit replaced by a comment Metals: addition of Antimony – limit: for information (future Chinese regulation for watch straps) VOCs: addition of hexachlorobutadiene Suppression of Allergen risk reduction program table at the end of the document

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

* Some internal documents are not disclosed.

RESTRICTED SUBSTANCES LIST FOR LEATHER BRACELET

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	Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	European Union	-
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 to engage organo-tins testing

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

AQC 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)

RESTRICTED SUBSTANCES LIST FOR LEATHER BRACELET

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-xylidine	-	87-62-7				
2,4-xylidine	-	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		
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'-methylenediphenol (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	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

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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	
	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		
	Diphenyl ether, nonabromo derivative	NonaBDE	63936-56-1	not detected	AQC	
	Hexabromocyclododecane and isomers	HBCDD	Several CAS	25 mg/kg	Prop 65	ISO 17881-2
	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)	TBBPA	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		
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	
	Tin1	Sn	7440-31-5	1 mg/kg	REACH XVII entry 20 (AQC)	
	Chromium	Cr	7440-47-3	for information	AQC	
	Antimony	Sb	7440-36-0			
	Cobalt Extractable	Co	7440-84-4			
	Nickel Extractable	Ni	7440-02-0			
					REACH XVII Proposal (AQC)	ISO 17072-1

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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	1 µg/m ² (sum)	ORRChim EU POP	CEN 15968
	Perfluorooctanesulfonic acid, potassium salt	PFOS-K	2795-39-3			
	Perfluorooctanesulfonic acid, lithium salt	PFOS-Li	29457-72-5			
	Perfluorooctanesulfonic acid, ammonium salt	PFOS-NH ₄	29081-56-9			
	Perfluorooctane sulfonate diethanolamine salt	PFOS-NH(OH) ₂	70225-14-8			
	Perfluorooctanesulfonic acid, tetraethylammonium salt	PFOS-N(C ₂ H ₅) ₄	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	0.025 mg/kg (sum)	EU POP		
PFOA and its salts	Perfluorooctanoic acid	PFOA				335-67-1
	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			
PFOA related substances	1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	1 mg/kg (sum)	EU POP	
	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			
C9-C14 PFCAs, their salts and related substances	Henicosafuoroundecanoic acid	PFUnA	2058-94-8	0.025 mg/kg (sum)	REACH XVII Entry 68 (AQC)	ISO 23702-1
	Heptacosafuorotetradecanoic acid	PFTDA	376-06-7			
	Pentacosafuorotridecanoic acid	PFTrDA	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 PFCAs related substances	-	several	0.260 mg/kg (sum)		
C4-C6 PFAS	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		

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Substance family	Substance Name	Abbr.	CAS Number	AQC limit	Strictest Regulation	Test Method	
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 Incl. isononylphenol	NPEO (4-NPEO)	- several CAS 11066-49-2				
	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	1000 mg/kg (each)	REACH SVHC		
	Bis(2-methoxyethyl) phthalate	DMEP	117-82-8				
	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				REACH XVII entry 52 (AQC)
Di-"iso-decyl" phthalate	DIDP	26761-40-0 68515-49-1					

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-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	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	Prop 65	
	Anthracene	-	191-24-2	5 mg/kg*		
	Indeno(1,2,3-cd)pyrene	IPY	193-39-5	for information	AQC	
	Naphtalene	NAP	91-20-3			
Acenaphthylene	ANY	208-96-8				
Acenaphthalene	ANA	83-32-9				
Fluorene	FLU	86-73-7				
Volatile Organic Compounds (VOCs)	Hexachlorobuta-1,3-diene	-	87-68-3	Not detected	EU POP	EPA 8260C or internal Headspace GC-MS
	N,N-dimethylformamide	DMFo	68-12-2	1000 mg/kg	REACH SVHC Ochim	
	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			

* because of Anthracene oil, anthracene paste, distn lights (contain 0.5% to 25% of anthracene) CAS 91995-17-4 (REACH SVHC)

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	



ASSOCIATION POUR L'ASSURANCE QUALITÉ
DES FABRICANTS DE BRACELETS CUIR

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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			









LIS010_06 AQC RSL for leather bracelet

Final Audit Report

2022-03-18

Created:	2022-03-18
By:	Sébastien Bagot (sebastien.bagot@aqc-asso.ch)
Status:	Signed
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"LIS010_06 AQC RSL for leather bracelet" History

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