



Title: Oeko-Tex® Standard 100 (Version 2017) updated

Date: 17 January 2017

Abstract: On 4 January 2017, the OEKO-TEX® Association has, as usual, updated the applicable test criteria and limit values for product certification in accordance with the STANDARD 100 by OEKO-TEX®. The new regulations come into force on 01 April 2017 for all certifications, while requirements and references relate to leather materials and products shall comply with LEATHER STANDARD by OEKO-TEX®.

On 4 January 2017, the OEKO-TEX® Association has, as usual, updated the applicable test criteria and limit values for product certification in accordance with the STANDARD 100 by OEKO-TEX®. The following new regulations come into force on 01 April 2017 for all certifications, following a three-month transition period.

Requirements and references that relate to leather materials and leather products are taken from the 2017 edition of the STANDARD 100 by OEKO-TEX® respectively adapted where necessary because the OEKOTEX® Association has published the standalone new [LEATHER STANDARD by OEKO-TEX®](#) on 1 January 2017 ([OEKO-TEX® awards new certification for leather goods that have been tested for harmful substances](#) reported by C&K Testing in December). The new LEATHER STANDARD by OEKO-TEX® is specially tailored to leather materials and leather products.

Compared with the previous version, the major changes in the new version of Oeko-Tex® Standard 100 are as the following:

(Remarks: Class I: baby, Class II: in direct contact with skin, Class III: with no direct contact with skin, Class IV: decoration material)

I) Limit values and fastness, part 1

1. Deleted the footnote "For leather articles 10.0mg/kg" for extractable chromium;
 2. Changed the footnote for extractable copper to "No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products"
 3. Added two pesticides chlorbenzilate (CAS Nr.: 510-15-6) and phosphamidone (CAS Nr.: 13171-21-6)
- The sum of limit remains unchanged.

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Product Class	I	II	III	IV
Pesticides [mg/kg]				
Sum	0.5	1.0	1.0	1.0

4. Six new phthalates are listed based on "ZDHC initiative" and REACH-SVHC candidate list. After the inclusion, there are 21 regulated phthalates in total and the sum remains unchanged:

Product Class	I	II	III	IV
Phthalates[w-%]				
Sum	0.1	0.1	0.1	
Sum without DINP				0.1

The six new phthalates are:

Substance	CAS Nr.
Di-ethylphthalate	84-66-2
Di-iso-octylphthalate	27554-26-3
Di-n-propylphthalate	131-16-8
Di-n-nonylphthalate	84-76-4
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters	68515-51-5
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1

II) Limit values and fastness, part 2

5. Added three organic tin compounds:

Product Class	I	II	III	IV
Organic tin compounds[mg/kg]				
Dipropyltin (DPT)	1.0	2.0	2.0	2.0
Monophenyltin (MPhT)	1.0	2.0	2.0	2.0
Tetraethyltin (TeET)	1.0	2.0	2.0	2.0

6. Added a ban on dysuff: navy blue (Index-Nr. 611-070-00-2; EG-Nr. 405-665-4)

III) Limit values and fastness, part 3

7. Added 24 Per- and polyfluorinated Compounds

Product Class	I	II	III	IV
PFC's, Per- and polyfluorinated Compounds[mg/kg]				

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PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE; Sum	<1.0	<1.0	<1.0	<1.0
Further Perfluorinated carbonic acids, each	0.05			
Perfluorinated sulfonic acids, each	0.05			
Partially fluorinated carbonic/sulfonic acids, each	0.05			
Partially fluorinated linear alcohols, each	0.05			
Esters of fluorinated alcohols with acrylic acid, each	0.05			

The 24 new perfluorinated compounds are:

Substance	CAS Nr.	Acronym
Perfluorooctane sulfonamide	754-91-6	PFOSA
Perfluorooctane sulfonyl fluoride	307-35-7	PFOSF / POSF
N-Methyl perfluorooctane sulfonamide	31506-32-8	N-Me-FOSA
N-Methyl perfluorooctane sulfonamide ethanol	24448-09-7	N-Me-FOSE
N-Ethyl perfluorooctane sulfonamide	4151-50-2	N-Et-FOSA
N-Ethyl perfluorooctane sulfonamide ethanol	1691-99-2	N-Et-FOSE
Further Perfluorinated carbonic acids		
Perfluorobutanoic acid	375-22-4	PFBA
Perfluoropentanoic acid	2706-90-3	PFPeA
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluoro(3,7-dimethyloctanoic acid)	172155-07-6	PF-3,7-DMOA
Perfluorinated sulfonic acids		
Perfluorobutane sulfonic acid	375-73-5,59933-66-3	PFBS
Perfluorohexane sulfonic acid	355-46-4	PFHxS
Perfluoroheptane sulfonic acid	375-92-8	PFHpS
Henicosafuorodecane sulfonic acid	335-77-3	PFDS
Partially fluorinated carbonic /sulfonic acids		
7H-Perfluoroheptanoic acid	1546-95-8	7HPFHpA
2H,2H,3H,3H-Perfluoroundecanoic acid	34598-33-9	4HPFUnA
1H,1H,2H,2H-Perfluorooctane sulfonic acid	27619-97-2	1H,1H,2H,2H-PFOS

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Substance	CAS Nr.	Acronym
Partially fluorinated linear alcohols		
1H,1H,2H,2H-Perfluoro-1-hexanol	2043-47-2	4:2 FTOH
1H,1H,2H,2H-Perfluoro-1-octanol	647-42-7	6:2 FTOH
1H,1H,2H,2H-Perfluoro-1-decanol	678-39-7	8:2 FTOH
1H,1H,2H,2H-Perfluoro-1-dodecanol	865-86-1	10:2 FTOH
Esters of fluorinated alcohols with acrylic acid		
1H,1H,2H,2H-Perfluorooctyl acrylate	17527-29-6	6:2 FTA
1H,1H,2H,2H-Perfluorodecyl acrylate	27905-45-9	8:2 FTA
1H,1H,2H,2H-Perfluorododecyl acrylate	17741-60-5	10:2 FTA

8. New restrictions for UV stabilizers in product Class I to III:

Product Class	I	II	III	IV
UV stabilizers[w-%]				
UV320	0.1	0.1	0.1	0.1
UV327	0.1	0.1	0.1	0.1
UV328	0.1	0.1	0.1	0.1
UV350	0.1	0.1	0.1	0.1

C&K Testing advises companies should pay attention to this update and check product compliance with the latest restrictions. Notably, leather articles shall fulfill the requirements in LEATHER STANDARD by OEKO-TEX®. Faced by more stringent regulation on textiles, operators had better choose an authoritative testing body for regulatory compliance.

Staffed by experienced specialists, C&K Testing can assure you of the quality and safety of your products by our professional testing services. Our test reports have international creditability across different markets. Please feel free to contact test@cirs-group.com or [leave us a message](#) if any question.

Further information

[Oeko-Tex Standard 100 Testing](#)

[中文阅读](#)

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