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STANDARD 100 by OEKO-TEX® test criteria: New regulations in 2020

At the start of the year, the OEKO-TEX® Association as usual updated the applicable test criteria and limit values for product certification in accordance with STANDARD 100 by OEKO-TEX®. The following new regulations come into effect on April 1, 2020 for all certifications, after a three-month transition period:

Defining and tightening of limit values

- The carcinogenic **N-Nitrosamines** and **N-nitrosatable substances**, that were still under observation in 2019, were newly included in the criteria catalogues Annex 4 and 6 of STANDARD 100 by OEKO-TEX® (including the new N-Nitrosomethylethylamine (CAS 10595-95-6)) with the following limit values:
 - N-Nitrosamines: 0.5 mg/kg each
 - N-Nitrosatable substances: 5,0 mg/kg sum
- The herbicide **glyphosate and its salts** are also finally being included in the criteria catalogues after one year under observation of the OEKO-TEX® Association with the following limit values:
 - for conventional cotton 5,0 mg/kg
 - for organic cotton 0,5 mg/kg for product class I, 1,0 mg/kg for product classes II, III and IV
- Specific limit values for the total content of the toxic **heavy metals arsenic and mercury** were laid down in Annex 4 and 6 of STANDARD 100 by OEKO-TEX®:
 - Arsenic total content: 100 mg/kg
 - Mercury total content: 0.5 mg/kg
- **Phthalates**: The limit value of the sum of phthalates is lowered from 1000 mg/kg to 500 mg/kg in Annex 4.

Overall, the strict requirements for residues in textile materials also lead to a lower burden on the environment, employees and consumers. In many cases the limit values for the STANDARD 100 go beyond national and international requirements. Therefore, the OEKO-TEX® strategy has been to be proactive in the field of consumer protection as a pioneer and not to wait for legislation. Due to that as a result of the implementation of the above-mentioned few additional measures, the STANDARD 100 by OEKO-TEX® already covers the requirements of the „REACH Annex XVII CMR legislation (Commission Regulation (EU) 2018/1513)“, that addresses CMR substances. For compliance to Entry 68 and as new compounds the following substances will be put under observation

- **1H,1H,2H,2H-perfluorodecane sulfonate (8:2 FTS) and its salts** (CAS 39108-34-4 or Na with the CAS 27619-96-1) and other PFOA related substances will be put “**under observation**” in Annex 5 and 7 of STANDARD 100 by OEKO-TEX®.

Further new substances, all under observation (ANNEX 5 and 7)

- The following **arylamines** will be added to ANNEX 5 and 7 as “under observation”:
 CAS 121-66-4: 2-amino-5-nitrothiazole
 CAS 156-43-4: p-phenetidine
 CAS 615-50-9: 2-methyl-p-phenylendiamine
 CAS 20265-97-8: p-anisidine
 CAS 91-95-2: 3,3'-Diaminobenzidin (biphenyl-3,3',4,4'-tetrayltetraamine)
- **Other chemicals (SVHC):**
 CAS various: 2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides
 CAS 98-54-4: 4-tert-butylphenol

- **Pesticides:**
 - CAS 97-23-4: Dichlorophene
 - CAS 115-32-2: Dicofol
 - CAS 1897-45-6: Chlorothalonil
 - CAS 105024-66-6: Silafluofen, (4-ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane
 - CAS 731-27-1: Tolyfluanide
 - CAS 63405-99-2: 4,6-Dichloro-7-(2,4,5-trichlorophenoxy)-2-trifluoromethylbenzimidazole (DTTB)
 - CAS 137-42-8: Metam-sodium
 - CAS 10605-21-7: Carbendazim

- **Cancerogenic, classified and further banned colorants:**
 - CAS 2465-27-2: Auramine hydrochloride; C.I. Basic Yellow 2 (equivalent to CAS 492-80-8 C.I. Solvent Yellow 34)

- **VOCs and glycols:**
 - CAS 1589-47-5: 2-Methoxypropanol
 - CAS 629-14-1: 1,2-Diethoxyethane

New substance additions or clarifications to the criteria catalogues (ANNEX 5 and 7)

- **Pesticides:**
 - CAS 115-29-7: Endosulfan

- **Flame retardants:**
 - CAS 1332-07-6: borate, zinc salt
 - CAS 12767-90-7: borate, zinc salt

- **Chlorotoluenes:**
 - Addition of detailed list in ANNEX 5 and 7

For more information on the new OEKO-TEX® test criteria, please contact OEKO-TEX® (info@oeko-tex.com) or your responsible OEKO-TEX® Institute (www.oeko-tex.com/institutes).



After a three-month transition period, the new OEKO-TEX® STANDARD 100 test criteria and limit values will become binding for all certifications on April 1, 2020.