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Test report No. FUHLCP2017-01425

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Lab Director: Kerstin Scharrer

General note: Copying this test report partially is permitted only in agreement with the contracted lab. The tests results refer only to the tested item.
This report consists of 4 pages.

Remark: The sample quantities of yarns and labels are usually insufficient for testing. So it might happen that positive results could not be detected. If this is not acceptable for the client, these parts shall be provided in adequate amounts (minimum 5 –10 g).
The test method signed with * is not listed in the attachment of the accreditation certificate.

Sample description: Menstrual cups



No.	Tested components
1	Menstrual cup Sport, plastic pink
2	Menstrual cup Valve, plastic transparent
3	Menstrual cup Compact, plastic transparent

Comment:

n.d. = not determinable
CS = combined sample

Selected risk substances according to SVHC Candidate list dated 12th of January 2017 Test results in %

Test method: Phthalate: 12.01.02.04 (2016-07); SCCP: 12.01.03.01 (2016-07); NP: 12.01.13.01 (2016-12)
Other parameters: Extraction with organic solvent, measurement GC/MS*
Limit of quantification (LOQ): see table

Substance name	LOQ	CAS-No.	CS 1+2+3
Diisobutylphthalate (DIBP)	0.02%	84-69-5	n.d.
Dibutylphthalate (DBP)	0.02%	84-74-2	n.d.
Benzylbutylphthalate (BBP)	0.02%	85-68-7	n.d.
Bis(2-ethylhexyl)phthalate (DEHP)	0.02%	117-81-7	n.d.
4-Nonylphenol, branched and linear	0.02%	various	n.d.
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	0.02%	25973-55-1	n.d.
2-benzotriazol-2-yl-4,6di-tertbutylphenol (UV-320)	0.02%	3846-71-7	n.d.
2,4-di-tert-butyl-6- (5-chloro benzotriazol-2-yl) phenol (UV-327)	0.02%	3864-99-1	n.d.
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	0,02%	36437-37-3	n.d.
Bisphenol A	0,02%	80-05-7	n.d.
Short chain chloroparaffins C ₁₀ -C ₁₃ (SCCP)	0.02%	85535-84-8	n.d.

Tin Organic Compounds in µg/kg

Test method: DIN EN ISO 17353 (2005-11) mod.
LOQ = Limit of quantification in µg/kg

Substance name	Abbrev.	CAS-No.	LOQ	CS 1+2+3
Monobutyl tin	MBT	various	10	n.d.
Dibutyl tin	DBT	various	10	n.d.
Tributyl tin	TBT	various	10	n.d.
Tetrabutyl tin	TeBT	1461-25-2	10	n.d.
Mono-octyl tin	MOT	various	10	n.d.
Di-octyl tin	DOT	various	10	n.d.
Tri-cyclohexyl tin	TCHT	various	200	n.d.

Lead and Cadmium after total digestion in mg/kg

Test method: EDXRF*
Limit of quantification: Lead 20 mg/kg, Cadmium 30 mg/kg

Substance name	CAS No.	No. 1	No. 2	No. 3
Cadmium	7440-43-9	n.d.	n.d.	n.d.
Lead	7439-92-1	n.d.	n.d.	n.d.

Polycyclic aromatic hydrocarbons according to US-EPA + 2 EFSA PAH in mg/kg

Test method: AfPS GS 2014:01 (2014-08)

Limit of quantification: 0.2 mg/kg

Substance name	CAS-No	CS 1+2+3
1 Naphthalene	91-20-3	n.d.
2 Acenaphthylene	208-96-8	n.d.
3 Acenaphthen	83-32-9	n.d.
4 Fluorene	86-73-7	n.d.
5 Phenanthrene	85-01-8	n.d.
6 Anthracene	120-12-7	n.d.
7 Fluoranthene	206-44-0	n.d.
8 Pyrene	129-00-0	n.d.
9 Benzo(a)anthracene	56-55-3	n.d.
10 Chrysene	218-01-9	n.d.
11 Benzo(b)fluoranthene + 12 Benzo(j)fluoranthene	205-99-2 + 205-82-3	n.d.
13 Benzo(k)fluoranthene	207-08-9	n.d.
14 Benzo(a)pyrene	50-32-8	n.d.
15 Indeno(1,2,3-cd)pyrene	193-39-5	n.d.
16 Dibenzo(a,h)anthracene	53-70-3	n.d.
17 Benzo(ghi)perylene	191-24-2	n.d.
18 Benzo(e)pyrene	192-97-2	n.d.
sum		n.d.

Assessment criteria

Parameter	Legal Limit	GS-symbol-concession according to AfPS GS 2014:01 PAH		
		category 1	category 2	category 3
	Materials which come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use	Materials intended to be put in the mouth, or materials of toys with intended long-term skin contact (longer than 30 seconds)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact) or repeated short-term skin contact	Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 seconds (short term skin contact)
	Valid from 27th December 2015	Valid from 1st July 2015	Valid from 1st July 2015 ¹⁾	Valid from 1st July 2015 ¹⁾
Naphthalene	-	< 1 mg/kg	< 2 mg/kg	< 10 mg/kg
Acenaphthylene Acenaphthene Fluorene Phenanthrene Pyrene Anthracene Fluoranthene	-	< 1 mg/kg Sum	< 10 mg/kg Sum	< 50 mg/kg Sum
Benzo (a) pyrene	< 1 mg/kg	< 0.2 mg/kg	< 0.5 mg/kg	< 1 mg/kg
Benzo (e) pyrene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (j) fluoranthene Benzo (k) fluoranthene Chrysene Dibenzo (a,h) anthracene	< 1 mg/kg each	< 0.2 mg/kg each	< 0.5 mg/kg each	< 1 mg/kg each
Benzo (g,h,i) perylene Indeno (1,2,3-cd) pyrene	-			
sum 18 PAH (EPA) mg/kg	-	< 1 mg/kg	< 10 mg/kg	< 50 mg/kg
Conclusion	pass	--	pass	--

¹⁾ Only for products in the scope of ProdSG; for toys in the scope of 2009/48/EC other limits apply

Conclusion:

The sample was tested for the most likely expectable SVHC only. None of the analysed SVHC were detected in a concentration $>0.1\%$. In all probability the item contains no SVHC $>0.1\%$ and thus no obligations according to article 33 of the REACH-regulation would arise.

The tested sample is classified as marketable with regard to the examined parameters.

For PAH conclusion see schedule above.

Intertek Consumer Goods GmbH



Sachverständige / Technical Expert
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