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Test Report No. FUHL0923583**Testing of material samples for ordered parameters**

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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 2 pages.

Sample description: key ring, inside marked with Thomas 500187492

- Test results see next page -

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Test results

n.d. = not detectable

Polycyclic Aromatic Hydrocarbons acc. US-EPA in ppm

Method: ZEK 01.2-08
 Detection limit: 0,2 ppm

1	Naphthalene	1.1	9	Benzo(a)anthracene	n.d.
2	Acenaphthylene	n.d.	10	Chrysene	n.d.
3	Acenaphthen	n.d.	11	Benzo(b)fluoranthene	n.d.
4	Fluorene	n.d.	12	Benzo(k)fluoranthene	n.d.
5	Phenanthrene	n.d.	13	Benzo(a)pyrene	n.d.
6	Anthracene	n.d.	14	Indeno(1,2,3-cd)pyrene	n.d.
7	Fluoranthene	n.d.	15	Dibenzo(a,h)anthracene	n.d.
8	Pyrene	n.d.	16	Benzo(ghi)perylene	n.d.
sum					1.1

Limit values for PAH in consumer products (recommendations of the "Berliner Runde" of 02.08.2005) and assessment criteria for GS-symbol-concession

"Berliner Runde"

parameter	Intended use with a skin contact for more than 30 seconds	Intended use with a skin contact up to 30 seconds
Benzo(a)pyren	< 1 mg/kg	< 20 mg/kg
sum of 16 PAH (EPA)	< 10 mg/kg	< 200 mg/kg

Remark: this is not a legal requirement, but accepted by the authorities

Assessment criteria for GS-symbol-concession

parameter	category 1	category 2	category 3
	Materials in contact with food or materials intended for oral intake and toys for children < 36 months	Materials with predictable skin contact longer than 30 sec (long-term skin contact) and toys category 1 does not apply for	Materials with predictable skin contact up to 30 sec (short-term skin contact) or without skin contact
Benzo[a]pyren	not detectable (<0,2) ⁵	1	20
sum 16 PAH (EPA) mg/kg	not detectable (<0,2) ⁵	10	200

⁵: if the test results exceed the limits of category 1, but the results comply with the limits of category 2 it is possible to prove the suitability for the food contact or for contact with the oral mucosa by an additional specific migration test of PAH-compounds according to DIN EN 1186ff and § 64 LFGB 80.30_1. The migration results are to be judged according to criteria for food.

In regard to the tested parameters the sample complies with the requirements for the "Berliner Runde" and the GS-symbol-concession.

Intertek Consumer Goods GmbH
 Warenprüfung • Umweltanalytik • Ingenieurleistung

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