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TEST REPORT No. FUTY0000137

Testing of a toy for ordered parameters

Arrival in lab: 29.12.2009; Period of analysis: 05.01. - 13.01.2009

Head of analytical department environmental analysis/ product testing: 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. Test methods marked with * are not listed in the amendment of our accreditation certificate.

Product description:

Confetti



Test results see next pages

Product description: Confetti

Summary	Results
DIN EN 71-3 (safety of toys) – Migration of certain elements	pass
Further requirements	pass

Test results

n.d. = not determinable
 ms = mixed sample

Sample description:

Sample 1 (ms):	Confetti, paper, green + blue + yellow
Sample 2 (ms):	Confetti, paper, orange + pink + white

1. Migration of certain elements according to EN 71–3

Sampling and extraction according to DIN EN 71-3:2002
 Test method: DIN EN ISO 11885 (E22) / AAS: DIN EN 1483 (E12)
 Limit of quantification: 5 mg/kg each

Test results in mg/ kg

Parameter	Limit	Sample 1	Sample 2
Antimony	60	n.d.	n.d.
Arsenic	25	n.d.	n.d.
Barium	1000	22	19
Cadmium	75	n.d.	n.d.
Chromium	60	n.d.	n.d.
Lead	90	n.d.	n.d.
Mercury	60	n.d.	n.d.
Selenium	500	n.d.	n.d.

Further requirements:

2. Total Cadmium content according to EC Regulation 1907 / 2006 (REACH) Annex XVII No. 23

Test method: micro wave digestion (HNO3) / ICP OES DIN EN ISO 11885 (E22)
 Limit of quantification: 10 mg/kg

Test results in mg/kg

	Limit	Sample 1	Sample 2
Cadmium (Cd)	100	n.d.	n.d.

Product description:

Confetti

3. Aromatic amines from azo dyes according to EC Regulation 1907 / 2006 (REACH) Annex XVII No. 43

Test method: § 64 LFGB B 82.02-2 (textile method)

Limit of quantification: 30 mg/kg (results from 10 - 100 mg/kg quantitative, exceeding 100 mg/kg semi quantitative)

Test results in mg/kg

Parameter	CAS-Nr.	Sample 1	Sample 2
4-aminobiphenyl	92-67-1	n.d.	n.d.
benzidine	92-87-5	n.d.	n.d.
4-chloro-o-toluidine	95-69-2	n.d.	n.d.
2-naphthylamine	91-59-8	n.d.	n.d.
4-chloroaniline	106-47-8	n.d.	n.d.
4-methoxy-m-phenyldiamine	615-05-4	n.d.	n.d.
4,4'-diaminodiphenylmethane	101-77-9	n.d.	n.d.
3,3'-dichlorobenzidine	91-94-1	n.d.	n.d.
3,3'-dimethoxybenzidine	119-90-4	n.d.	n.d.
3,3'-dimethylbenzidine	119-93-7	n.d.	n.d.
4,4'-methylenedi-o-toluidine	838-88-0	n.d.	n.d.
p-cresidine	120-71-8	n.d.	n.d.
4,4'-methylene-bis-(2-chloraniline)	101-14-4	n.d.	n.d.
4,4'-oxydianiline	101-80-4	n.d.	n.d.
4,4'-thiodianiline	139-65-1	n.d.	n.d.
o-toluidine	95-53-4	n.d.	n.d.
4-methyl-m-phenyldiamine	95-80-7	n.d.	n.d.
2,4,5-trimethylaniline	137-17-7	n.d.	n.d.
o-anisidine	90-04-0	n.d.	n.d.
2,4-Xylidine	95-68-1	n.d.	n.d.
2,6-Xylidine	87-62-7	n.d.	n.d.
o-Aminoazotoluene (as o-toluidine)	97-56-3	n.d.	n.d.
2-Amino-4-nitrotoluene (as 4-Methyl-m-phenylen-diamine)	99-55-8	n.d.	n.d.

Test method: § 64 LFGB B 82.02-9 (textile method)

Threshold limit value: 30 mg/kg (results from 10 - 100 mg/kg quantitative, exceeding 100 mg/kg semi quantitative)

Test results in mg/kg

Parameter	CAS-Nr.	Sample 1	Sample 2
4-Aminoazobenzene (4-AAB)	60-09-3	n.d.	n.d.

According to the analytical results the tested samples do not contain azo dyes banned by the German consumer goods ordinance (related to EC Regulation 1907/2006 (REACH) Annex XVII No. 43) which set free one or more of the listed aromatic amines including 4-AAB by reductive cleavage.

Product description:

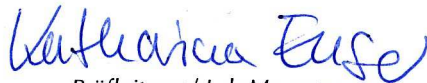
Confetti

Conclusion

The presented product "Confetti" conforms to the requirements of the applied regulations regarding the tested parameters for products as marked as a toy.

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