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**SWITZERLAND**

Fürth, 18.03.2013

## Test report No. FUTX1305045

Arrival in lab: 01.03.2013; Period of analysis: 01.03. – 18.03.2013  
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 2 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.

\*\* subcontracting

### Sample description: Article-No. 66803 "Starbright"



No.	Tested components
1	Weave red
2	Weave rose
3	Weave proline

- Test results see next pages -

**Comment:**

n.d. = not determinable

CS = Combined sample

**Analysis of amines as cleavage products of azo colourants in textiles and leather samples acc. to REACH annex XVII Nr. 43, results in mg/kg**

Test method: DIN EN 14362-1

Limit of quantification: 10 mg/kg (10 - 100 mg/kg quantitative, > 100 mg/kg semi quantitative)

**CS 1-3**

4-aminobiphenyl	n.d.	4,4'-methylenedi-o-toluidine	n.d.
benzidine	n.d.	p-cresidine	n.d.
4-chloro-o-toluidine	n.d.	4,4'-methylene-bis-(2-chloraniline)	n.d.
2-naphthylamine	n.d.	4,4'-oxydianiline	n.d.
4-chloroaniline	n.d.	4,4'-thiodianiline	n.d.
4-methoxy-m-phenylenediamine	n.d.	o-toluidine	n.d.
o-anisidine	n.d.	4-methyl-m-phenylenediamine	n.d.
4,4'-diaminodiphenylmethane	n.d.	2,4,5-trimethylaniline	n.d.
3,3'-dichlorobenzidine	n.d.	o-aminoazotoluene (as o-toluidine)	n.d.
3,3'-dimethoxybenzidine	n.d.	2-amino-4-nitrotoluene (as 4-methyl-m-phenylenediamine)	n.d.
3,3'-dimethylbenzidine	n.d.		

According to the analytical results the tested sample does not contain any amines which can be released from banned azo colourants regulated according to REACH Annex XVII. The occurrence of 4-aminodiphenyl or 2-naphthylamine in amounts of more than 30 mg/kg is not a safe indicator that forbidden azo colourants were used. In this case it is necessary to call for more information (chemical structure, CI-number) about the applied colourant. This test does not contain the analysis of the amine 4-aminoazobenzene, which must be tested separately.

**Analysis of 4-aminoazobenzene, test result in mg/kg**

Test method: DIN EN 14362-3

Limit of quantification: 10 mg/kg (10 - 100 mg/kg quantitative, > 100 mg/kg semi quantitative)

<b>CS 1-3</b>	n.d.
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According to the analytical result the tested sample does not contain any azo colourants regulated according to REACH Annex XVII which sets free 4-aminoazobenzene by reductive cleavage.

**Intertek Consumer Goods GmbH**

*Prüfleitung / Lab Manager*

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