

START DATE 02/05/2013 END DATE 09/05/2013

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Test Report n° ITAT13004071 of 09/05/2013

TEST METHOD	SAMPLE DESCRIPTION	PARAMETERS	RESULT	U.M.	LIMITS	U	LQ	NOTES	LAB
		p-cresidine	< 5	mg/kg	30		5	3	ITA
8017 - Free and Hydrolyzed Formaldehyde UNI EN 14184-1:2011 <u>Operating Conditions</u> Storage: polyethylene bag and wrapped in aluminium foil	01								
		Formaldehide	< 10	mg/kg	75		10		ITA
8010 - Migration of Certain Elements (Heavy Metals) OEKO-STANDARD 100 - Leaching extraction according to ISO 105E04	01								
		Arsenic	<0,1	mg/kg	0,2			*	03
		Average of Cadmium Content	<0,1	mg/kg	0,1			*	03
		Chromium	<0,1	mg/kg	1			*	03
		Mercury	<0,01	mg/kg	0,02			*	03
		Lead	<0,1	mg/kg	0,2			*	03
		Antimony	<0,1	mg/kg	30			*	03
		Cobalt	<0,1	mg/kg	1			*	03
		Chromium VI	Under Detection Limit	mg/kg	<3			*	03
		Nickel	<0,1	mg/kg	1			*	03
		Copper	<0,1	mg/kg	25			*	03

Sample 01

Test	Rating	Failure result
5005 - pH of aqueous extract UNI EN ISO 3071:2006	NR	
8017 - Free and Hydrolyzed Formaldehyde UNI EN 14184-1:2011	P	
8002 - Methods for Determination of Certain Aromatic Amines Derived from Azo Colorants EN 14362-1: 2012	P	
8010 - Migration of Certain Elements (Heavy Metals) OEKO-STANDARD 100 - Leaching extraction according to ISO 105E04	P	

P = MEETS REQUIREMENT / F = DOES NOT MEET REQUIREMENT / NR = NO REQUIREMENT / SC = STILL CONTINUES / X = NOT PERFORMED
Values in brackets represent the limits

Test performed by:

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TEXTILE TECHNICAL MANAGER

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Notes

3 = Determination of Certain aromatic Amines derived from Azo Colorants followed by GC-MS Analysis.

The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4-toluylenediamine. Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4-phenylenediamine. The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.

Remark:

- 1) According to the official method EN 14362, if 4-aminodiphenil or 2-naphtylamine or 2,4-diaminoanisole is found exceeding 30 ppm, the use of forbidden azo dyestuff cannot be ascertained without additional information, e.g. the chemical structure of the dyestuff used.
- 2) Azo colorants content requirement in annex XVII item 43 of the reach regulation (EC) no. 1907/2006 formerly known as directive 2002/61/EC

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The content of the present document refers exclusively to the submitted samples and not to the batch that they want to represent.

A representative portion of the sample is kept for 60 days. Specimen are kept for 30 days.

The content of the present document is not subjected to the Directive of the Council of Minister of 25th July 1985 - 85/37/EEC.

Samples are drawn by customer.

UM: unit of measurement

Limits are based on Regulations or Customer's Requirements

U: The reported uncertainty is the extended uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%.

LQ: Quantification Limit

RESULTS MARKED IN RED EXCEED LIMITS

Sampling is not included in accreditation scope.

Tests marked with star (*) haven't been Accredia accredited.

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END OF TEST REPORT

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