

ANALYTICAL REPORT

Analytical Report Nr. **AR-19-YL-009375-01** Date **12/12/2019**

Center for Strategic Research and Development of Georgia
 For the attention of Vakhtang Kobaladze
 5a Delisi 1st lane
 0177 Tbilisi
 GEORGIA

Phone 995322399019
 Email vakhtang@csrdg.ge

SAMPLE CODE

560-2019-00010202

Order Code: EUAA70-00005250
 Reception Date: 4-Dec-2019
 Analysis starting date: 10-Dec-2019
 Analysis ending date: 12-Dec-2019
 Sample described as: Piece of fabric



Information provided by the customer:

Client reference: 21
 Purchase Order Number:
 Customer requirements: REACH Regulation (EC) No 1907/2006
 Description: Towel red XLN GUAN

CHEMICAL TESTS	RESULTS	LOQ	GUIDELINES	
◆ YLN1I Determination of Cadmium and Lead				Analysis ending date: 12/12/2019
Lead (Pb)	<0.0005 %	0.0005	REACH: < 0.0500 %	✓ Pass
Cadmium (Cd)	<0.0005 %	0.0005	REACH: < 0.0100 %	✓ Pass
YLN1C Determination of azo dyes				Analysis ending date: 11/12/2019
4-Aminobiphenyl	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
Benzidin	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
4-Chlorotoluidine	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
2-Naphthylamine	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
p-Chloroaniline	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
2,4-Diaminoanisole	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
4,4-Diaminodiphenylmethan	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
3,3-Dichlorobenzidine	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
3,3-Dimethoxybenzidine	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass
3,3-Dimethylbenzidine	<5 mg/kg	5	REACH : < 30 mg/kg	✓ Pass

CHEMICAL TESTS	RESULTS	LOQ	GUIDELINES
----------------	---------	-----	------------

YLN1C Determination of azo dyes

Analysis ending date: 11/12/2019

3,3-Dimethyl-4,4-diaminodiphenyl methane	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
p-Cresidine	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
4,4-Methylene-bis-2-chloroaniline	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
4-Aminophenileter	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
4,4-Thiodianilin	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
o-Toluidin	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
2,4-Diaminotoluene	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
2,4,5-Trimethylaniline	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
o-Anisidine	<5	mg/kg	5	REACH : < 30 mg/kg	✓ Pass
2,4-Xylidine	<5	mg/kg	5		
2,6-Xylidine	<5	mg/kg	5		
Aniline	<5	mg/kg	5		
1-4-phenylenediamine	<5	mg/kg	5		

Detection and quantification method: GC/MS

Sampling procedure: Section 9 EN ISO 14362-1:2017

Evaluation Procedure - Point 10.1 (EN 14362-1:2017)

o-aminoazotoluene and 5-nitro-o-toluidine are further reduced to o-toluidine and 2,4-diaminotoluene.

Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline (CAS number 62-53-3) and 1,4 phenylenediamine (CAS-number 106-50-3). Due to detection limits, only aniline may be detected. The presence of these colorants should be tested by EN 14362-3.

List Of Methods

YLN1C **Determination of azo dyes:** EN ISO 14362-1:2017YLN1I **Determination of Cadmium and Lead:** Internal Method based on CPSC-CH-E1002-08.3 for Cd, ICP-MS; CPSC-CH-E1002-08.3

Signed for and on behalf of Eurofins Textile Testing Spain:



Report electronically validated by

Maria Jesus Martinez Puig

Chemical Lab manager

EXPLANATORY NOTE

- ◆ Test not accredited
- Test is subcontracted within Eurofins group and is accredited
- Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- Test is subcontracted outside Eurofins group and is not accredited

N/A = Not Applicable

Not detected = below Detection Limit

Eurofins General Terms and Conditions apply. Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Textile Testing Spain S.L ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Test uncertainties not reported are at customer disposal. If you happen to have any comments, please do it by sending email to textile_spain@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission

End Of Report

Eurofins Textile Testing Spain, S.L.

Calle Germán Bernácer, 4

03203 Elche

SPAIN

Phone +34 966 299 638

www.eurofins.com/tex

ENAC is signatory of EA and ILAC Multilateral Agreement for testing.

The activities, marked with ◆ ○ ● □ ■ are not covered by ENAC accreditation.