

ANALYTICAL REPORT

Analytical Report Nr.	AR-19-YL-002885-02	Date	30/04/2019
	For the attention of	Center for Strategic Research and Development of Georgia Vakhtang Kobaladze 5a Delisi 1st lane 0177 Tbilisi GEORGIA	
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(*this report cancels and replaces the previous one, numbered AR-19-YL-002885-01/560-2019-00003002 dated 23/04/2019 which must be destroyed)

SAMPLE CODE 560-2019-00003002

Sample described as: T-shirt

According to the information supplied by the customer:
Country of origin: China
Producer and/or a model: Forever 21

Client reference: 2.T-Shirt Red
Order Code: EUAA70-00003020
Purchase Order Number:
Reception Date: 16/04/2019
Analysis starting date: 16/04/2019
Analysis ending date: 23/04/2019



CHEMICAL TESTS	RESULTS	LOQ	GUIDELINES
YLN1F Azo dyes: with extraction			Analysis ending date: 23/04/2019
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
4,4-Diamino-3,3-dimethyl diphenylmethane	<5 mg/kg	5	REACH : < 30 mg/kg ✓ Pass

CHEMICAL TESTS RESULTS LOQ GUIDELINES

CHEMICAL TESTS	RESULTS	LOQ	GUIDELINES
YLN1F Azo dyes: with extraction			Analysis ending date: 23/04/2019
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-Thioaniline	<5 mg/kg	5	REACH : < 30 mg/kg ✓ Pass
o-Toluidine	<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	

Amines fs16 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

YLN1F Azo dyes: with extraction: EN 14362-1:2012

Signed for and on behalf of Eurofins Textile Testing Spain:



Report electronically validated by

Maria Jesus Martinez Puig

Chemical Lab manager

EXPLANATORY NOTE

- ◆ Test no accreditation
- 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

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End Of Report