

## TEST REPORT

**REPORT NUMBER :** TURA140159945\_REVISED01  
**APPLICANT NAME :** Fckn Cool - Mahir Z.Sarikaya  
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**Attention :** Mahir Sarikaya ( mahir.sarikaya@rctlink.com )

**SAMPLE DESCRIPTION :**

- Sample 1 One sample of Black knitted fabric  
 Sample 2 One sample of White knitted fabric

**DATE IN :** 22 October ,2014 ( 13:20)  
**DATE OUT :** 27 October ,2014 /10 November ,2014  
**COLOUR :** BLACK, WHITE  
**NOTE :**

In this revised 01 report, Applicant name and contacts were changed by the request of the vendor.  
 This report replaced the report no TURA140159945 dated on 27 October, 2014 and must be used instead of it.  
 Report no TURA140159945 dated on 27 October, 2014 is invalid.

TEST	SAMPLE	
	1	2
Allergenic Disperse Dyestuff	P	P
Carcinogenous Dyestuff	P	P
Detection of Amines Derived From Azocolourants and Azodyes	P	P

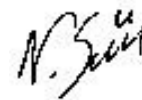
**P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE / LS = LACK OF SAMPLE / NC = NO COMMENT / I = INCONCLUSIVE**

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Sefa MURAT  
 COORDINATOR



Neslihan Sözer  
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140159945\_REV01

Test Method	Results	Requirements
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**Allergenic Disperse Dyestuff**

IHTM AL.2.090 & AL.2.178 refer to DIN 54231:2005

By High Performance Liquid Chromatography&Mass Spectroscopy (LC-MS-MS) & HPLC - DAD Analysis

**Sample 1**

Test Method	Results	Requirements
C.I. Disperse Blue 1	Not Detected	50 ppm*
C.I. Disperse Blue 3	Not Detected	
C.I. Disperse Blue 7	Not Detected	
C.I. Disperse Blue 26	Not Detected	
C.I. Disperse Blue 35	Not Detected	
C.I. Disperse Blue 102	Not Detected	
C.I. Disperse Blue 106	Not Detected	
C.I. Disperse Blue 124	Not Detected	
C.I. Disperse Brown 1	Not Detected	
C.I. Disperse Orange 1	Not Detected	
C.I. Disperse Orange 3	Not Detected	
C.I. Disperse Orange 37/76	Not Detected	
C.I. Disperse Orange 149	Not Detected	
C.I. Disperse Red 1	Not Detected	
C.I. Disperse Red 11	Not Detected	
C.I. Disperse Red 17	Not Detected	
C.I. Disperse Yellow 1	Not Detected	
C.I. Disperse Yellow 3	Not Detected	
C.I. Disperse Yellow 9	Not Detected	
C.I. Disperse Yellow 23	Not Detected	
C.I. Disperse Yellow 39	Not Detected	
C.I. Disperse Yellow 49	Not Detected	

\*Eco Testing Standard for Textiles

ppm = part per million (mg/kg)  
 Detection Limit =3 ppm /0.2 mg/L  
 < = Less Than

Estimated Total Uncertainty=( ±2%)



Test Method	Results	Requirements
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### Allergenic Disperse Dyestuff

IHTM AL.2.090 & AL.2.178 refer to DIN 54231:2005

By High Performance Liquid Chromatography&Mass Spectroscopy (LC-MS-MS) & HPLC - DAD Analysis

#### Sample 2

Test Method	Results	Requirements
C.I. Disperse Blue 1	Not Detected	50 ppm*
C.I. Disperse Blue 3	Not Detected	
C.I. Disperse Blue 7	Not Detected	
C.I. Disperse Blue 26	Not Detected	
C.I. Disperse Blue 35	Not Detected	
C.I. Disperse Blue 102	Not Detected	
C.I. Disperse Blue 106	Not Detected	
C.I. Disperse Blue 124	Not Detected	
C.I. Disperse Brown 1	Not Detected	
C.I. Disperse Orange 1	Not Detected	
C.I. Disperse Orange 3	Not Detected	
C.I. Disperse Orange 37/76	Not Detected	
C.I. Disperse Orange 149	Not Detected	
C.I. Disperse Red 1	Not Detected	
C.I. Disperse Red 11	Not Detected	
C.I. Disperse Red 17	Not Detected	
C.I. Disperse Yellow 1	Not Detected	
C.I. Disperse Yellow 3	Not Detected	
C.I. Disperse Yellow 9	Not Detected	
C.I. Disperse Yellow 23	Not Detected	
C.I. Disperse Yellow 39	Not Detected	
C.I. Disperse Yellow 49	Not Detected	

\*Eco Testing Standard for Textiles

ppm = part per million (mg/kg)  
 Detection Limit =3 ppm /0.2 mg/L  
 < = Less Than

Estimated Total Uncertainty=( ±2%)



Test Method	Results	Requirements
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**Carcinogenous Dyestuff**

IHTM AL.2.091 refer to DIN 54231:2005 By High Performance Liquid Chromatography & Mass Spectroscopy (LC-MS-MS) & HPLC-DAD Analysis

**Sample 1**

ACID RED 26	Not Detected	Not Detected*
BASIC RED 9	Not Detected	
BASIC VIOLET 14	Not Detected	
DIRECT BLACK 38	Not Detected	
DIRECT BLUE 6	Not Detected	
DIRECT RED 28	Not Detected	
DISPERSE BLUE 1	Not Detected	
DISPERSE ORANGE 11	Not Detected	
DISPERSE YELLOW 3	Not Detected	

\*Eco Testing Standard for Textiles

ppm (part per million) =mg / kg

Detection Limit =7.5 ppm or 0.5 mg/L

< =Less Than

Estimated Total Uncertainty=( ±3%)

**Carcinogenous Dyestuff**

IHTM AL.2.091 refer to DIN 54231:2005 By High Performance Liquid Chromatography & Mass Spectroscopy (LC-MS-MS) & HPLC-DAD Analysis

**Sample 2**

ACID RED 26	Not Detected	Not Detected*
BASIC RED 9	Not Detected	
BASIC VIOLET 14	Not Detected	
DIRECT BLACK 38	Not Detected	
DIRECT BLUE 6	Not Detected	
DIRECT RED 28	Not Detected	
DISPERSE BLUE 1	Not Detected	
DISPERSE ORANGE 11	Not Detected	
DISPERSE YELLOW 3	Not Detected	

\*Eco Testing Standard for Textiles

ppm (part per million) =mg / kg

Detection Limit =7.5 ppm or 0.5 mg/L

< =Less Than

Estimated Total Uncertainty=( ±3%)



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Test Method	Results	Requirements
<b>Detection of Amines Derived From Azocolourants and Azodyes</b>		
Test Method : BS EN 14362 - 1 : 2012 for Textile Material		
By Gas Chromatographic - Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.		
Sample: 1		
1-Black knitted fabric (without extraction)		<30 ppm

**RESULTS**

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>1</u>
4-AMINOBIHENYL	92-67-1	N
BENZIDINE	92-87-5	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N
2-NAPHTHYLAMINE	91-59-8	N
*O-AMINOAZOTOLUENE	97-56-3	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N
P-CHLOROANILINE	106-47-8	N
2,4-DIAMINOANISOLE	615-05-4	N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N
3,3'-DICHLOBENZIDINE	91-94-1	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N
P-CRESIDINE	120-71-8	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N
4,4'-OXYDIANILINE	101-80-4	N
4,4'-THIODIANILINE	139-65-1	N
O-TOLUIDINE	95-53-4	N
2,4-TOLUENDIAMINE	95-80-7	N
2,4,5-TRIMETHYLANILINE	137-17-7	N
O-ANISIDINE	90-04-0	N
**P-AMINOAZOBENZENE	60-09-3	N
2,4 XYLIDINE	95-68-1	N
2,6 XYLIDINE	87-62-7	N

**Note:**

- 1)The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluylenediamine.
  - 2)Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenyldiamine . The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.
  - 3)According to EN 14362-1:2012, separate test is suggested to ascertain the compliance for result of mixed test in the range between 5 ppm and 30 ppm.
  - 4)Azocolourants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC)
- ppm : part per million (mg/kg)    Detection Limit: 5 ppm    < = Less Than    N: Not Detected    NC : No Comment

**Estimated Total Uncertainty=( ±9%)**

## END OF TEST REPORT ##

