



## TEST REPORT

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REPORT NUMBER: TURA170008564

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Attention: Yılmaz Çavdar ( info@inknovators.com )

**SAMPLE DESCRIPTION:** 

Sample 1 One sample of ECO PL FLU PINK (17011706) - Print on white fabric

Sample 2 One sample of ECO PL FLU PINK (17011706) - Liquid item

DATE IN: 17 January ,2017 ( 09:34:00)

DATE OUT: 20 January ,2017

BUYER'S NAME: INDITEX

TRADE NAME: ECO PL FLU PINK

**LOT NO:** 17011706

		SAM	SAMPLE	
	TEST	1	2	
Detection of Amines Derived From Azocolourants and Azodyes		Х	NR	
Determination of Formaldehyde		NR	Х	
Total Phthalate Content		X	Р	

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 / # = SEE RESULT / NF = NEEDS FURTHER TESTING / A = ABSENT / M = MARGINAL ACCEPT / SD = SEE DETAILS ENCLOSED / FS: FURTHER STEPS

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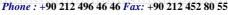
**Tuncay MADEN** 

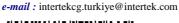
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**Test Method** Results Requirements

## **Detection of Amines Derived From Azocolourants and Azodyes**

BS EN 14362 - 1: 2012 for Textile Material

By Gas Chromatographic - Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.

Sample: 2

1- ECO PL FLU PINK (17011706) - Liquid item (without extraction)

No Requirement

		RESULTS
FORBIDDEN A	MINE CAS NO	<u>1</u>
4-AMINOBIPHENYL	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'-DIAMINOBIPHENYLMETHANE	101-77-9	N
3,3'-DICHLOROBENZIDINE	91-94-1	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N
3,3'-DİMETHYL-4,4' DIAMINOBIPHEN		N
P-CRESIDINE	120-71-8	N
4,4'-METHYLENE-BIS-(2 CHLOROANI	,	N
4,4'-OXYDIANILINE	101-80-4	N
4,4'-THIODIANILINE	139-65-1	N
O-TOLUIDINE	95-53-4	N
2,4-TOLUENEDIAMINE	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:

ppm: part per million (mg/kg) Detection Limit: 5 ppm < = Less Than N: Not Detected

#### Estimated Total Uncertainity=( ±9%)

<sup>1)</sup>The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluenediamine.

<sup>2)</sup>Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenylendiamine. The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.

<sup>3)</sup>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)Azocolowants 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

<sup>5)</sup> According to the official method EN 14362-1:2012, if 4-Aminodiphenyl or 2-Naphthylamine or 2,4-Diaminoanisole is found exceeding requirement, the use of forbidden Azo colourants cannot be ascertained without additional information e.g. The chemical structure of the colourant used.





RESULTS

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**Test Method** Results Requirements

# **Determination of Formaldehyde**

INDITEX SOP: ITX-GB/T 2912.1/2012C

Sample 1

No Requirement <2 ppm

= part per million (mg/kg) ppm

**Detection Limit** = 2 ppm = Less Than

Estimated Total Uncertainity=( ±6%) Note: Sample was received unsealed

#### **Total Phthalate Content**

ISO 14389 : 2014 Method by Gas Chromotography - Mass Spectrometry (GC-MS) Analysis

### Sample 2

	CAS NO	RESULT (%, w/w)	REQUIREMENT	
Dibutyl phthalate (DBP)	84-74-2	ND	Not Detected	
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND		
Benzyl butyl phthalate (BBP)	85-68-7	ND		
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND		
Di-n-octyl phthalate (DNOP)	117-84-0	ND		
Diisodecyl phthalate (DIDP)	26761-40-0	ND		

ppm (part per million) =mg / kg Detection Limit = DIDP, DINP: 100 ppm, Other Phthalates: 10 ppm

=Less Than \* =EXCEEDED LIMIT **ND**: Not Detected

Estimated Total Uncertainity=( ±6%)





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# Sample 1



# Sample 2



## END OF TEST REPORT ##