

TEST REPORT

REPORT NUMBER : TURA170012098_REVISED01
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SAMPLE DESCRIPTION :

Sample 1 One sample of ECO PL PUFF BASE LOT:17011907 - Print on white panel
 Sample 2 One sample of ECO PL PUFF BASE LOT:17011907 - Liquid item

DATE IN : 20 January ,2017 (12:45:00)

DATE OUT : 24 January ,2017 /25 January ,2017

BUYER'S NAME : INDITEX

TRADE NAME : ECO PL PUFF BASE

LOT NO : 17011907

NOTE : In this revised 01 report, sample description and trade name were changed by the request of the vendor.
 This report replaced the report no TURA170012098 dated on 24 January, 2017 and must be used instead of it.
 Report no TURA170012098 dated on 24 January, 2017 is invalid.

TEST	SAMPLE	
	1	2
Detection of Amines Derived From Azocolourants and Azodyes	X	NR
Determination of Formaldehyde	NR	X
Total Phthalate Content	X	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 / # = SEE RESULT / NF = NEEDS FURTHER TESTING / A = ABSENT / M = MARGINAL ACCEPT / SD = SEE DETAILS ENCLOSED / FS: FURTHER STEPS

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170012098_REV01

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. 1)		
ECO PL PUFF BASE LOT 17011907 Liquid item (without extraction)		No Requirement

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'-DICHLOROBENZIDINE	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-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:

- 1)The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluenediamine.
- 2)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.
- 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
- 5) 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.

ppm : part per million (mg/kg) Detection Limit: 5 ppm < = Less Than N: Not Detected NC : No Comment

Estimated Total Uncertainty=(±9%)

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Test Method	Results	Requirements
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Determination of Formaldehyde

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

Sample 1

<2 ppm

No Requirement

ppm = part per million (mg/kg)

Detection Limit = 2 ppm

< = Less Than

Estimated Total Uncertainty=(±6%)

Note :Sample was received unsealed

Total Phthalate Content

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

Method By Gas Chromotography - Mass Spectrometry (GC-MS) Analysis

Sample 2

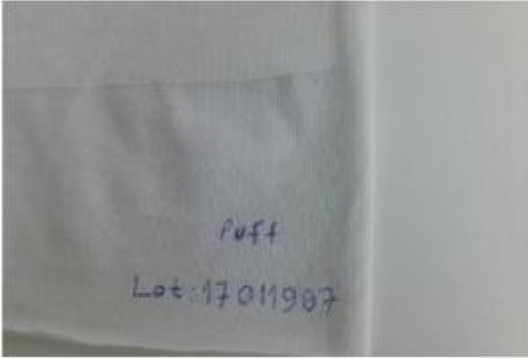
	CAS NO	RESULT (% , w/w)	REQUIREMENT
Dibutyl phthalate (DBP)	84-74-2	ND	Not Detected
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	
Benzyl butyl phthalate (BBP)	85-68-7	ND	
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	
Di-n-octyl phthalate (DNOP)	117-84-0	ND	
Diisodecyl phthalate (DIDP)	26761-40-0	ND	

ppm (part per million) =mg / kg
< =Less Than

Detection Limit = DIDP, DINP : 100 ppm, Other Phthalates : 10 ppm
* =EXCEEDED LIMIT ND : Not Detected

Estimated Total Uncertainty=(±6%)

Sample 1



Sample 2



END OF TEST REPORT