

TEST REPORT

REPORT NUMBER : TURA170008575
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SAMPLE DESCRIPTION :

Sample 1 One sample of ECO PL NAVY BLUE (17011903) - Print on white knitted fabric
Sample 2 One sample of ECO PL NAVY BLUE (17011903) - Liquid item


DATE IN : 17 January ,2017 (09:37:00)
DATE OUT : 25 January ,2017
BUYER'S NAME : INDITEX
TRADE NAME : ECO PL NAVY BLUE
LOT NO : 17011903

| 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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170008575

| 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 NAVY BLUE (17011903) Liquid item (without extraction) | | No Requirement |

| FORBIDDEN AMINE | CAS NO | RESULTS |
|--|----------|---------|
| | | 1 |
| 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- phenylenediamine . 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 |
|-------------|---------|--------------|
|-------------|---------|--------------|

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

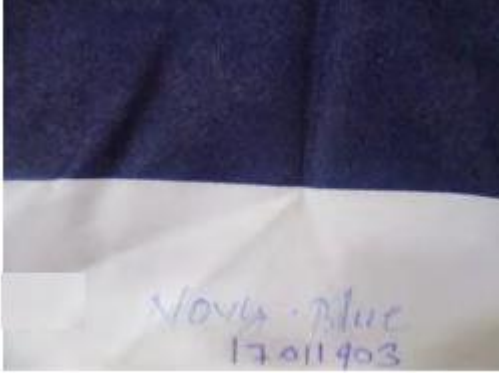
| | CAS NO | RESULT (% , w/w) | REQUIREMENT |
|-----------------------------------|------------|------------------|--------------|
| Dibutyl phthalate (DBP) | 84-74-2 | ND | Not Detected |
| Di(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | ND | |
| Benzyl butyl phthalate (BBP) | 85-68-7 | ND | |
| Di-iso-nonyl 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

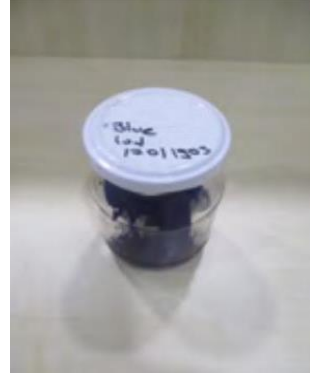
Detection Limit = DIDP, DINP : 100 ppm, Other Phthalates : 10 ppm
 * =EXCEEDED LIMIT ND : Not Detected

Estimated Total Uncertainty=(±6%)

Sample 1



Sample 2



END OF TEST REPORT