TEST REPORT

Technical Report: **(6718)066-0184** March 12, 2018

Received Date: March 07, 2018

Sample Description: : NATURAL COTTON ZIPPER POUCH-NO PRINT
(Sample received in good condition)

Color:	NATURAL COTTON	Style No(s):	MODEL 38062
Order No.:	BY EMAIL DATED 16 NOV 2017	Fiber Content:	COTTON
Article No:	/	Component:	/
Age Grade:	/	Product End Use:	/
Vendor:		Buyer Name:	/
Manufacturer:		Supplier Name:	/
Pre-Testing for (Client Name):	/	Country of Origin:	INDIA
Test Period:	March 07, 2018 to March 12, 2018	Country of Destination:	SPAIN

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
AZO DYES TEST	PASS	
TOTAL CADMIUM CONTENT TEST	PASS	
CADMIUM IN SURFACE COATING TEST	N/A	See Note 3

NOTE: 1. The test has been conducted as per vendor's request.
2. As confirmed by vendor the submitted sample natural cotton fabric is not dyed hence it is not applicable for Azo Dyes Test.
3. The submitted sample is not applicable for Cadmium in Surface Coating Test.

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (INDIA) PVT. LTD.

SIGNATORIES

CHHATISH KUMAR NATH
(Dy. Manager – Analytical)

RAHUL SRIVASTAVA
(Manager – Analytical)

PLEASE CONTACT:
FOR ANY TECHNICAL ISSUES: RAMESH KUMAR
E. MAIL: ramesh.kumar@in.bureauveritas.com **PHONE NO:** 0120-4368283/205/264
FOR ANY INVOICING MATTER: MR. AMIT ROY
E. MAIL: amit.roy@in.bureauveritas.com **PHONE NO:** 0120-4368200

"Pls. refer the website www.nabl-india.org to view our Scope of accredited Test"
Bureau Veritas Consumer Products Services (India) Pvt. Ltd.,
C-19, Sec – 7 Noida (U.P.) 201301
PH: 4368283/205

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.cps.bureauveritas.com and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents

Photo of the Submitted Sample

TEST RESULTS

AZO DYES TEST

Test Method I : EN 14362-1:2017

Test Method II : ISO 17234-1:2015

Test Method III : EN 14362-3:2017 (For textile)/ ISO 17234-2:2011 (For leather)
Quantification analysis by GC-MS and confirmation by LC-DAD.

TESTED ITEM(S) : **A1** OFF WHITE ZIPPER TAPE PART

Limit:	**30 mg/kg**

Test Item(s)	**Test Method**	**Result**			**Conclusion**
		Detected Analyte(s)	**Conc.**	**Unit**	
A1	I	ND	ND	**mg/kg**	**PASS**

Note: mg/kg = milligram per kilogram "<" = less than ">" = more than
Detection Limit = 5 ppm ND = not detected

Remarks
- Azo colorants that are able to form p-aminoazobenzene, generate aniline and 1,4-phenylenediamine under the condition of this method. Aniline and 1,4-phenylenediamine are not detected under the condition of this method.
- The presence of these colorants cannot be confirmed by the method stated as above. The result of p-aminoazobenzene shown is analyzed and confirmed by EN 14362-3/ ISO 17234-2.
- Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.
- In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.
- In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

TEST RESULTS

TOTAL CADMIUM CONTENT TEST

Test Method : Acid Digestion With ICP-OES Analysis

Sl No	Substrate Component Id	Result (in ppm)	Requirement (Max.)
A3	ZIPPER SILVER METAL D-RING PULLER	ND	See Note 2
A4	ZIPPER SILVER METAL SLIDER PART	11	
A5	ZIPPER PLASTIC TEETH	ND	

Note:

ND = Not detected ">" = More than
ppm = parts per million = mg/kg mg/kg = milligram per kilogram NA = Not Applicable
Detection Limit (ppm): 10

APPENDIX

List of Amines in Azo Dyestuff:

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	4-Aminodiphenyl	92-67-1	13	4,4'-Methylenedi-o-toluidine (3,3'-Dimethyl-4,4'-diaminodiphenylmethane)	838-88-0
2	Benzidine	92-87-5	14	p-Cresidine	120-71-8
3	4-Chloro-o-toluidine	95-69-2	15	4,4'-Methylene-bis-(2-chloraniline)	101-14-4
4	2-Naphthylamine	91-59-8	16	4,4'-Oxydianiline	101-80-4
5	o-Aminoazotoluene	97-56-3	17	4,4'-Thiodianiline	139-65-1
6	5-nitro-o-toluidine (2-Amino-4-nitrotoluene)	99-55-8	18	o-Toluidine	95-53-4
7	4-Chloroaniline (p-Chloroaniline)	106-47-8	19	4-Methyl-m-phenylenediamine (2,4-Toluenediamine)	95-80-7
8	4-Methoxy-m-phenylenediamine (2,4-Diaminoanisole)	615-05-4	20	2,4,5-Trimethylaniline	137-17-7
9	4,4'-Methylenedianiline (4,4'-Diaminodiphenylmethane)	101-77-9	21	o-Anisidine	90-04-0
10	3,3'-Dichlorobenzidine	91-94-1	22	4-Aminoazobenzene (p-Aminoazobenzene)	60-09-3
11	3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	23	2,4-Xylidine	95-68-1
12	3,3'-Dimethylbenzidine (4,4'-Bi-o-tolidine)	119-93-7	24	2,6-Xylidine	87-62-7

...END...