



TEST REPORT

TO: O'BRAVIA CO., LTD.

LAB NO.: (6217) 179-0233
DATE IN: JUNE 28, 2017
DATE OUT: JULY 07, 2017
MOD. DATE: -
PAGE: 1 OF 4
WORKING DAYS: 7

PURPOSE OF TEST: To evaluate the submitted sample in the test requested by the client only.

OVERALL RATING: PASS

SAMPLE DESCRIPTION:

Item Description:	<u>SUNFIBER#4822 (1PC WITHOUT PACKAGE)</u>
Style No.:	-
P.O.No.:	-
Sources/Vendor:	-
Manufacturer:	-
Orig. Of Country:	-
Size:	-
Color:	-

COMMENTS:

Please see attached Test Results for detailed test data on all requested test.

SUMMARY OF TEST RESULTS

TEST RESULTS	PASS	FAIL	
AZO DYE	X		

Remark: BVCPS Contact information for this report.

Technical questions:

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**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (H.K.) LIMITED,
TAIWAN BRANCH**



**CHAD HSIEH
HARDLINE OPERATION MANAGER**

REMARKS:

1. This report 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 written permission.
2. Our report is limited to the test samples identified herein. The results set forth in this report are not necessarily indicative or representative of the statistical quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted.
3. Our report includes all the tests requested by you and the results thereof. You shall have thirty days from receipt of this report to request additional testing of the samples or to notify us of any errors or omissions relating to our report; provided, however, 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 your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST RESULT**Azo Dye Test (Analysis of amines in dyestuff)**

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

Tested Item	Test Method	Conclusion
1) Lt.brown fabric (swatch)	EN 14362 part 2 ISO	PASS

Remarks:	Test methods: EN 14362 part 1 – Direct test on colored textiles – detection of the use of certain azo colorants that are accessible to reducing agents without extraction EN 14362 part 2 – Extraction test on colored textiles – Detection of the use of certain azo colorants in fibres with extractable dyes ISO/TS 17234 – Leather – Chemical tests – Determination of certain azo colorants in dyed leathers In house method – For plastic materials
	Maximum permissible limit: 30 mg/kg in finished articles or in dyed parts, 70 mg/kg in recycled fibres Legislation: 2002/61/EC on 19 July 2002 – amendment for the 19 th Council Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations (azo colorants)
	“<” denoted less than mg/kg = milligrams per kilogram
	All results are reported in mg/kg
	According to the European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 43, Points 1 and 2, aromatic amines (reductive cleavage of azocolourants) listed in table, in detectable concentration (i.e. 30ppm) in the finished articles or in the dyes parts, shall not be used in textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity.

