



Test Report

No. L51825 84542T

Date: Nov 27, 2018

Page 1 of 3

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : Bovine fiber leather in brown
 SGS Internal Ref.No. : HHL1811 85271S
 Buyer : JASON FURNITURE CO.,LTD.
 Manufacturer :
 Supplier :
 Proposed Care Instruction : -
 Test Performed : Selected test(s) as requested by applicant
 Sample Receiving Date : Nov 21, 2018
 Testing Period : Nov 21, 2018 - Nov 27, 2018
 Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. For further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co. Ltd

Hattie Chen

Hattie Chen
Account Executive



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Test Result

Bally Flexing Resistance (ISO 5402-1:2017)

The test result:

Test condition
Dry, After 100,000 cycles

Inspection of Damage
No Cracking

Adhesion Of Finish
(ISO 11644:2009)

Parallel to backbone (N/10mm)	12.5
Perpendicular to backbone (N/10mm)	11.5

Colour Fastness To Rubbing

(ISO 11640:2012; Total mass: 1000g)

After 200 cycles
Dry staining 4-5
Change in shade 4-5

After 100 cycles
Wet staining 4
Change in shade 4-5

Remarks: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Tensile Strength

(ISO 3375:2011)

One direction	
Elongation at break (%)	91
Tensile Strength (MPa)	9.3
Another direction	
Elongation at break (%)	56
Tensile Strength (MPa)	10.9



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Test Report

No. L51825 84542T

Date: Nov 27, 2018

Page 3 of 3

Tearing Strength

(ASTM D2212-00(2015))

<u>Thickness of the sample (mm)</u>	1.45
<u>Tearing Load</u>	
One direction (lbf)	24.0
Another direction (lbf)	21.6
Average (lbf)	22.8

Abrasion Resistance

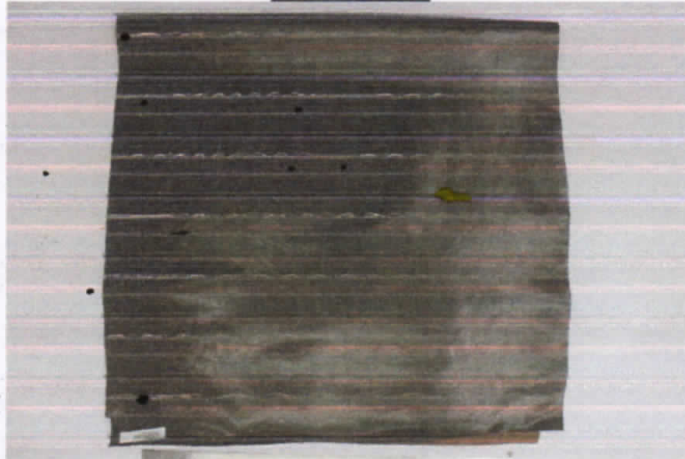
(ISO 17076-1:2012 Abrasion Resistance; Taber method; Test Load: 1000g/wheel, Abrasive wheel: CS-10)

After 300 Cycles

Observation of damage

Negligible change

Sample Photo



*** End of Report ***



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Test Report

No. SHAHG18 1317 3

Date: 12 Dec 2018

Page 1 of 4

The following sample(s) was/were submitted and identified on behalf of the clients as : BOVINE FIBER LEATHER

SGS Job No. : HHL18110 268SD -

Supplier :

Manufacturer :

Date of Sample Received : 05 Dec 2018

Testing Period : 05 Dec 2018 - 12 Dec 2018

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s)

Result Summary :

Test Requested	Conclusion
Extractable Heavy metal	See Results
Azo Dyes	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jenny Yao

Jenny Yao
Approved Signatory



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Test Report

No. IHAHG18.71317.3

Date: 12 Dec 2018

Page 2 of 4

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	IHA18.71317.3	Dk.Blue leather

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Extractable Heavy metal

Test Method : According to GB/T 17593-2006.

Test Item(s)	Unit	MDL	001
Arsenic (As)	mg/kg	0.1	ND
Cadmium (Cd)	mg/kg	0.05	ND
Cobalt (Co)	mg/kg	0.5	ND
Chromium VI (Cr VI)	mg/kg	0.5	ND
Nickel (Ni)	mg/kg	0.5	ND
Lead (Pb)	mg/kg	0.1	ND
Copper (Cu)	mg/kg	0.5	ND
Antimony (Sb)	mg/kg	1	ND
Mercury (Hg)	mg/kg	0.01	ND

Azo Dyes

Test Method : Leather: According to ISO 17234-1:2015- Analysis was conducted with GC-MS/HPLC-DAD.

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
4-Aminobiphenyl	92-67-1	30	mg/kg	5	ND
Benidine	92-87-5	30	mg/kg	5	ND
4-chloro-o-toluidine	95-69-2	30	mg/kg	5	ND
2-naphthylamine	91-59-8	30	mg/kg	5	ND
o-aminoazotoluene	97-56-3	30	mg/kg	5	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	30	mg/kg	5	ND
4-chloroaniline	106-47-8	30	mg/kg	5	ND



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Test Report

No. HAHG18/ 1317 3

Date: 12 Dec 2018

Page 3 of 4

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	30	mg/kg	5	ND
4,4'-diaminodiphenylmethane	101-77-9	30	mg/kg	5	ND
3,3'-dichlorobenzidine	91-94-1	30	mg/kg	5	ND
3,3'-dimethoxybenzidine	119-90-4	30	mg/kg	5	ND
3,3'-dimethylbenzidine	119-93-7	30	mg/kg	5	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	30	mg/kg	5	ND
p-cresidine	120-71-8	30	mg/kg	5	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	30	mg/kg	5	ND
4,4'-oxydianiline	101-80-4	30	mg/kg	5	ND
4,4'-thiodianiline	139-65-1	30	mg/kg	5	ND
o-toluidine	95-53-4	30	mg/kg	5	ND
4-methyl-m-phenylenediamine / 2,4-Toluyldiamine	95-80-7	30	mg/kg	5	ND
2,4,5-trimethylaniline	137-17-7	30	mg/kg	5	ND
4-aminoazobenzene	60-09-3	30	mg/kg	5	ND
O-Anisidine	90-04-0	30	mg/kg	5	ND

Conclusion

PASS

Notes :

- (1) The ISO 17234-1:2015 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of ISO 17234-2:2011 will be employed to verify the presence of 4-aminoazobenzene.
- (2) Max. limit is specified by client.
- (3) Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphthylamine (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.
- (4) 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.
- (5) 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.

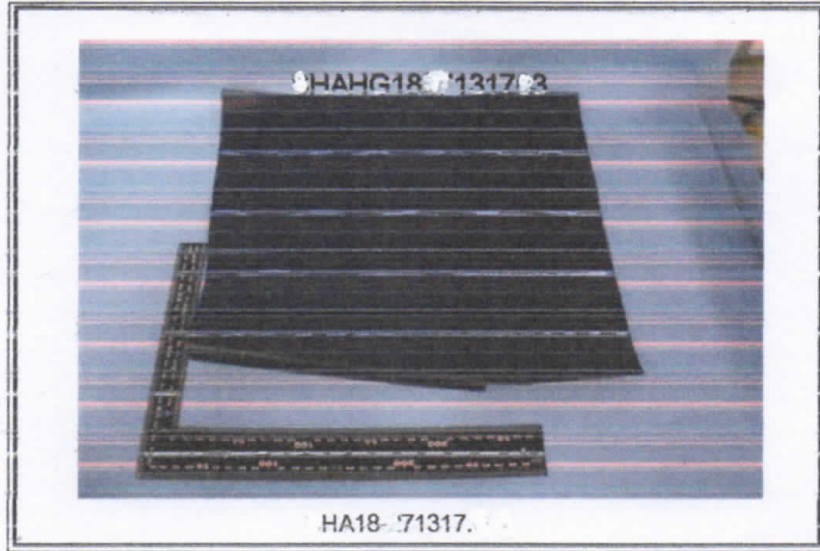


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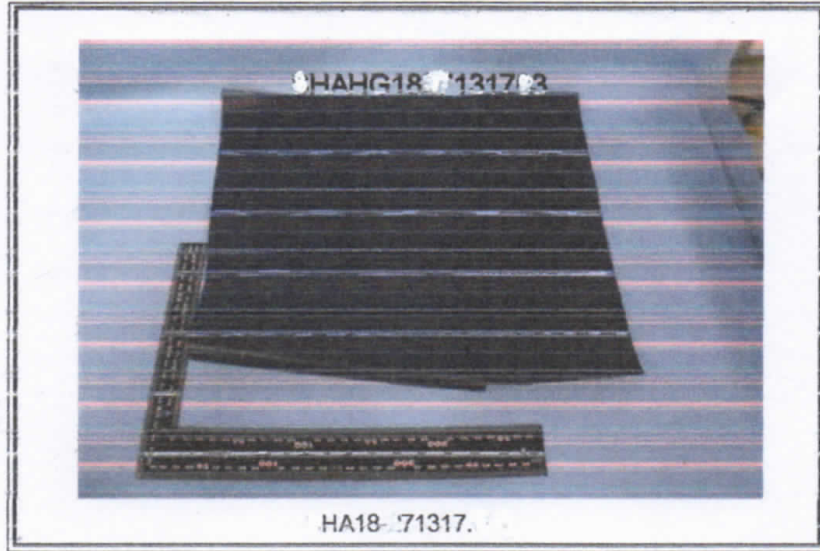
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