

Test Report No.: 68.404.22.9029.01

Dated: 2022-04-22



Applicant : Guangzhou Musen Furniture Co.,LTD
Floor 16th, Xingguang yinjing Building, No.117, Shuiyin Road, Guangzhou, China

Attention : Sophie

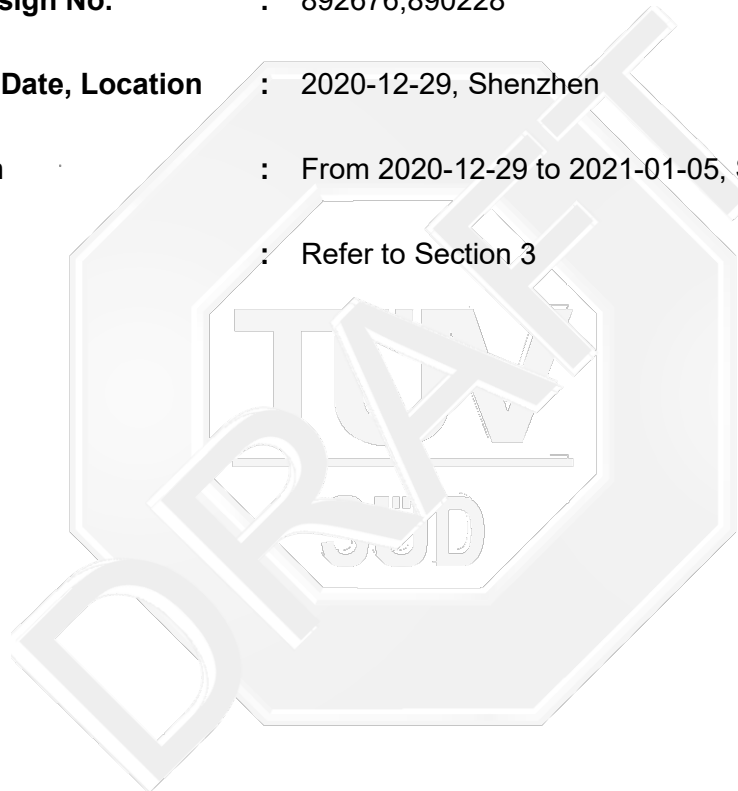
Sample Description : LIGHT GREY BX 5014 FABRIC ; BX 3014 FABRIC ;
DARK GREY W1182 WICKER ; JR 5485 WICKER ;
ANTHRACITE GREY M03 COATING ; MAT WHITE COATING

Style No. / Name / Design No. : 892676,890228

Test Sample Receipt Date, Location : 2020-12-29, Shenzhen

Test Period, Location : From 2020-12-29 to 2021-01-05, Shenzhen

Test Result(s) : Refer to Section 3



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Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
1.	Azodyes Regulation (EC) No. 1907/2006, Annex XVII, Entry 43 and its amendment Regulation (EC) No. 552/2009	Pass
2.	Total Lead Regulation (EC) No.1907/2006 (REACH) Annex XVII, Entry 63 and its amendment Regulation (EU) 2015/628	Pass
3.	Total Cadmium Regulation (EU) 2016/217, amending Annex XVII to Regulation (EC) No. 1907/2006 Entry 23.	Pass
4.	Formaldehyde Content Test	Pass*

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "Pass", "Fail" and "Inconclusive" is 95%.
- (4) "*" denotes the conclusion was drawn according to the client's specification.
- (5) All results are transferred from previous report 68.404.20.9181.01 issued on 2021-01-07.

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
TüV Süd Group

Prepared by:

Reviewed by:

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<APPROVER1>
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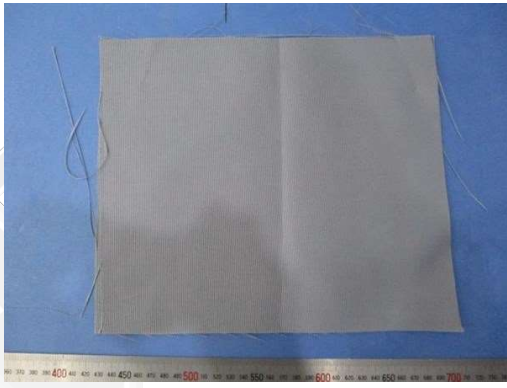
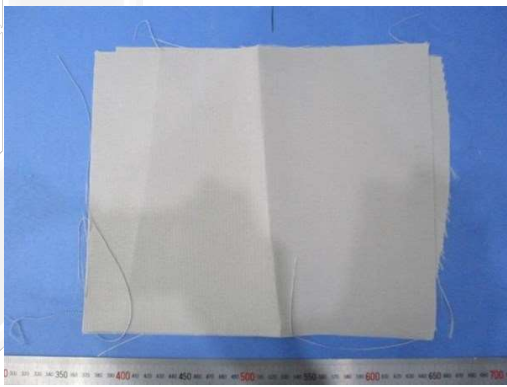
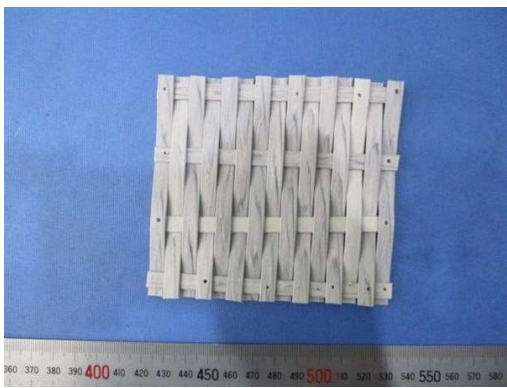
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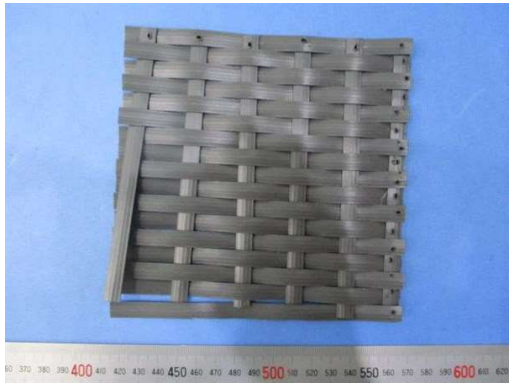
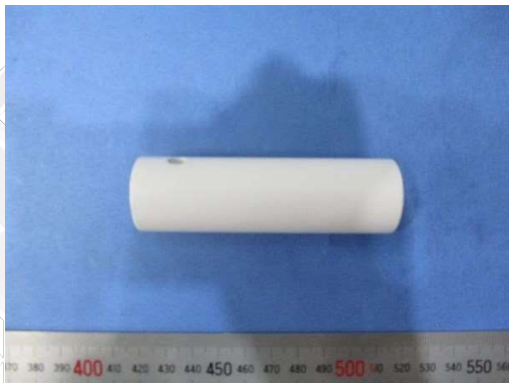

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1. Description of the Test Sample:

Sample Description	LIGHT GREY BX 5014 FABRIC ; BX 3014 FABRIC ; DARK GREY W1182 WICKER ; JR 5485 WICKER ; ANTHRACITE GREY M03 COATING ; MAT WHITE COATING
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2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Grey fabric	
T2	002	Light grey fabric	
T3	003	Off-white soft plastic	

T. No.	Sample No.	Colour and Description	Photograph
T4	004	Grey soft plastic	
T5	005	White coating on metal	
T6	006	Dark grey coating on metal	

3. Test Results

3.1 Azodyes

Regulation (EC) No. 1907/2006, Annex XVII, Entry 43 and its amendment Regulation (EC) No. 552/2009 (Formerly restricted under 2002/61/EC & 2004/21/EC)

Test in accordance with EN ISO 14362-1:2017 (for textiles) or ISO 17234-1:2015 (for leather).

The presence of 4-aminoazobenzene is determined by EN ISO 14362-3:2017 or ISO 17234-2:2011.

[Reporting Limit = 5.0 mg/kg]

No.	Forbidden Amine	CAS No.	Results [mg/kg]
			Sample 001+002
1	4-aminobiphenyl	92-67-1	<5.0
2	Benzidine	92-87-5	<5.0
3	4-chloro-o-toluidine	95-69-2	<5.0
4	2-naphthylamine	91-59-8	<5.0
5	o-aminoazotoluene	97-56-3	<5.0
6	5-nitro-o-toluidine	99-55-8	<5.0
7	4-chloroaniline	106-47-8	<5.0
8	2,4-diaminoanisole	615-05-4	<5.0
9	4,4'-diaminodiphenylmethane	101-77-9	<5.0
10	3,3'-dichlorobenzidine	91-94-1	<5.0
11	3,3'-Dimethoxybenzidine	119-90-4	<5.0
12	3,3'-dimethylbenzidine	119-93-7	<5.0
13	4,4'-methylenedi-o-toluidine	838-88-0	<5.0
14	p-cresidine	120-71-8	<5.0
15	4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	<5.0
16	4,4'-oxydianiline	101-80-4	<5.0
17	4,4'-thiodianiline	139-65-1	<5.0
18	o-toluidine	95-53-4	<5.0
19	2,4-toluenediamine	95-80-7	<5.0
20	2,4,5-trimethylaniline	137-17-7	<5.0
21	2-methoxyaniline	90-04-0	<5.0
22	2,4-xylydine	95-68-1	<5.0
23	2,6-xylydine	87-62-7	<5.0
24	4-aminoazobenzene	60-09-3	<5.0
Method			EN ISO 14362-1:2017(P2)
Limit			< 30 mg/kg
Conclusion			Pass

Note:

1. “#” denotes 2,4-xylydine and 2,6-xylydine are not under Regulation (EC) No.1907/2006 and they are for client's reference.
2. “<” denotes less than
3. “mg/kg” denotes milligram per kilogram

* Azo colorants that are able to form 4-aminoazobenzene, as generated under the current testing condition stated in EN ISO 14362-1:2017 are aniline and 1,4-phenylenediamine. The presence of 4-aminoazobenzene is determined by EN ISO 14362-3:2017 or ISO 17234-2:2011.

Interpretation of test results:

- (1) In the case of the measured value per amine component ≤ 30 mg/kg and according to the analysis carried out, the azo colourants banned under the Annex XVII of Regulation (EC) No. 1907/2006, REACH are not detected in the article submitted.
- (2) In the case of the measured value per amine component > 30 mg/kg, the analysis result suggests that the submitted article was manufactured or treated with the azo colourants banned under Annex XVII of Regulation (EC) No. 1907/2006, REACH
- (3) In the case of the measured value per amine component being between 25 and 35 mg/kg, it is remarked that due to the inherent uncertainty of the detection method, the value represent a border line case.



3.2 Total Lead

Regulation (EC) No.1907/2006 (REACH) Annex XVII, Entry 63 and its amendment Regulation (EU) 2015/628

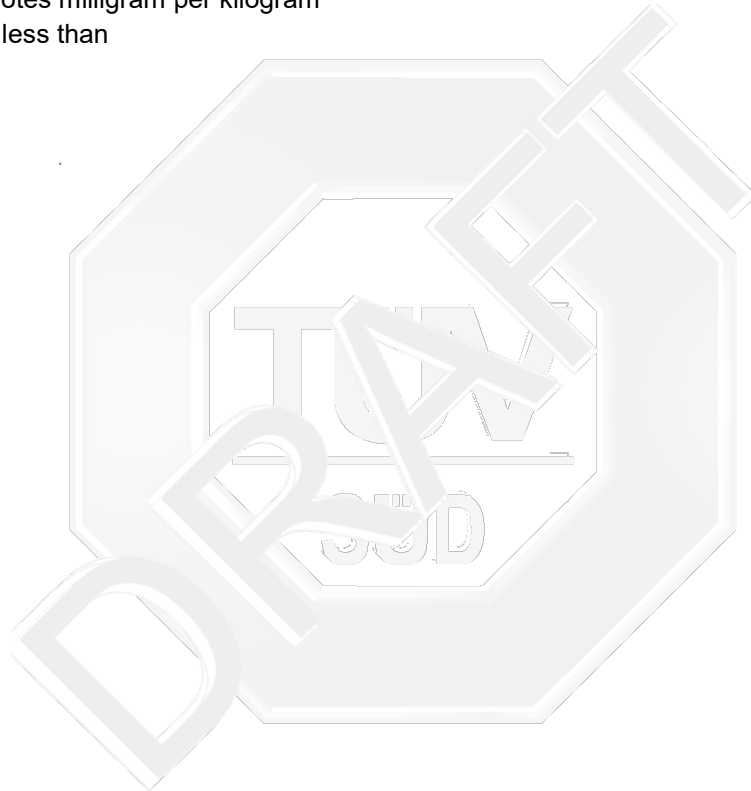
Microwave / Acid Digestion and detection with ICP-OES/ AAS

[Reporting Limit = 10.0mg/kg]

Analyte	Result [mg/kg]
	Sample 005+006
Lead	32.4
Limit	<500
Conclusion	Pass

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than



3.3 Total Cadmium

Regulation (EU) 2016/217, amending Annex XVII to Regulation (EC) No. 1907/2006 Entry 23.
 Microwave digestion/ With reference to EN 1122:2001 Method B and followed by Atomic Absorption Spectrophotometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrophotometer (ICP-OES)
 [Reporting Limit = 10.0mg/kg]

Analyte	Results [mg/kg]	
	Sample 003+004	Sample 005+006
Cadmium	<10.0	<10.0
Limit	<100	<1000
Conclusion	Pass	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than

Material / Product	Limit
Plastics	<100 mg/kg
Metal jewellery / imitation jewellery articles and hair accessories	<100 mg/kg
Brazing Fillers	<100 mg/kg
Coating	<1000 mg/kg
Paint with TARIC codes [3208],[3209] Zinc content > 10%	<1000 mg/kg
Paint with TARIC codes [3208],[3209] with Zinc Content ≤ 10%	<100 mg/kg

3.4 Formaldehyde Content Test

With reference to ISO 14184-1:2011 and analyzed by Ultraviolet-visible spectroscopy (UV-Vis).
 [Reporting Limit = 16mg/kg]

Analyte	CAS No.	Results [mg/kg]	Client's Limit [mg/kg]
		Sample 001+002	
1 Formaldehyde	50-00-0	<16	75
Conclusion		Pass	-

Note:
 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than

-- END OF THE TEST REPORT --