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Applicant : Huizhou Huayuan smart home Co., LTD

Address Hengfa Industrial Park, Yanhu Road, Baishi Village, Qiuchang Street,

Huiyang District, Huizhou City, Guangdong Province, China

Manufacturer : Huizhou Huayuan smart home Co., LTD

Address Hengfa Industrial Park, Yanhu Road, Baishi Village, Qiuchang Street,

Huiyang District, Huizhou City, Guangdong Province, China

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

Sample Name : sofa bed

Sample Description : Can be a sofa, can be used as a bed, suitable for home or office

Model No : 2179

Labeled Age Grading : Over 0 years old

Test Age Grading : Over 0 years old

Manufacture Date : Mar. 06, 2024

Sample Received Date : Jun.25, 2024

Testing Period : Jun.25, 2024 To Jun.28, 2024

Test Requested : Test samples according to customer requirements

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

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

CPSC Lab ID : 1779



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Date:Jun.28, 2024

RESULT SUMMARY:

	Test Requested	Conclusion
Α	As specified in title 16, code of federal regulations, chapter II- consumer products safety commission of U.S.A	D5 . D
1	16 CFR 1500.48 Sharp Point	PASS
2	16 CFR 1500.49 Sharp Edge	PASS
3	16 CFR 1501 Small part rule	PASS
4	16 CFR 1500.50.51.52.53 Simulating use and abuse of toys	PASS
5	16 CFR 1640 Standard For The Flammability Of Upholstered Furniture	PASS
6	The Flame Resistance Test	PASS
В	16 CFR Part 1303 Lead Paint Regulation	NA
С	Consumer Product Safety Improvement Act of 2008 (CPSIA)	-51
1	CPSIA Sec.101.(a) Lead in Total Lead Content in Substrate Children's Products CPSIA Sec.101.(f) Lead content for coating	PASS
2	CPSIA Sec.108 Determination of Phthalates	PASS
3	CPSIA Sec. 103 Tracking Labels for Children's Products	PASS
D	16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	PASS
E	Total Lead(Pb)-US California Proposition 65	PASS
F	Total Cadmium(Cd)-US California Proposition 65	PASS
G	Phthalates(8P) -US California Proposition 65	PASS





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Sample Description:

No.	Description
D51 1 D5T	sofa bed (Finished product)
2.	Grey fabric
3.	Blue fabric
4.	Black fabric





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A.CPSC 16 CFR 1500.48,16 CFR 1500.49,16 CFR 1500.50 and CPSC 16 CFR 1501- Small Part

NO	Toot Hom/o)	Deguirements of Standard	Result
NO.	Test Item(s)	Requirements of Standard	No.1
105	16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	NA
2	16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	NA
3	CPSC 16 CFR 1501-Small part	Toys and other article intended for use by children under 3 years of age shall not have small parts since it presents a choking, aspiration, or ingestion hazard. Toys and other article are subject to this requirement before or after use and abuse testing.	PASS
I D.	CPSC 16 CFR 1500.50	Normal use testing	PASS
57	CPSC 16 CFR 1500.51b	Impact test	PASS
)51	CPSC 16 CFR 1500.51c	Bite test	PASS
4	CPSC 16 CFR 1500.51d	Flexure test	NA
02	CPSC 16 CFR 1500.51e	Torque test	PASS
	CPSC 16 CFR 1500.51f	Tension test	PASS
51	CPSC 16 CFR 1500.51 g	Compression test	NA

Note:NA. = Not Applicable



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5.CPSC 16 CFR 1640 Standard For The Flammability Of Upholstered Furniture

Test Item(s)	Requirements of Standard	Assessment
(a) Testing and certification. A fabric, related material, or proceed to which the California standard applies shall not be subject to section 14(a) of the Consumer Product Safety Act (15 U.S.C. 2063(a)) with respect to that standard. (b) Certification label. Each manufacturer of a product that is subject to the California standard shall include the statement "Complies with U.S. CPSC requirements for upholstered furn flammability" on a permanent label located on the product, we shall be considered to be a certification that the product composite with that standard. 16 CFR 1640.4 Requirements of Standard (a) Testing and certification. A fabric, related material, or product to which the California standard applies shall not be subject to section 14(a) of the Consumer Product Safety Act (15 U.S.C. 2063(a)) with respect to that standard. (b) Certification label. Each manufacturer of a product that is		
	(a) Testing and certification. A fabric, related material, or product	
	to which the California standard applies shall not be subject to	
	section 14(a) of the Consumer Product Safety Act (15 U.S.C.	
	2063(a)) with respect to that standard.	
	(b) Certification label. Each manufacturer of a product that is	PASS
	subject to the California standard shall include the statement "Complies with U.S. CPSC requirements for upholstered furniture	(see the test result)
	flammability" on a permanent label located on the product, which	
	shall be considered to be a certification that the product complies	
	with that standard.	
16 CFR 1640.4	Requirements of Standard	
	(a) Testing and certification. A fabric, related material, or	
	product to which the California standard applies shall not be	
	subject to section 14(a) of the Consumer Product Safety Act	
	(15 U.S.C. 2063(a)) with respect to that standard.	
	(b) Certification label. Each manufacturer of a product that is	PASS
	subject to the California standard shall include the statement	(see the test result)
	"Complies with U.S. CPSC requirements for upholstered	
	furniture flammability" on a permanent label located on the	
	product, which shall be considered to be a certification that	
	the product complies with that standard.	

NOTE:NA. = Not Applicable





Par

6.The Flame Resistance Test

Refer to: TECHNICAL BULLETIN 117-2013. Requirements, Test Procedure and Apparatus for Testing the

Smolder Resistance of Materials Used in Upholstered Furniture

Sample Description		Can be a sofa, ca	an be used as a bed, suitable	e for home or office			
Test en	vironment	Temper	ature:24°C Relative humi	dity :58%			
Pur	pose	Cover fabric test					
Test ı	method	DST - CT	Section 1. Cover fabric tes	DST ST			
051	Sample	Duration of smouldering (45min:sec)	Vertical Char length (inches)	Open Flaming (Yes/No)			
Test	No.1	No smoke	1.3	No			
result	No.2	No smoke	1.2	No			
51 '	No.3	No smoke	1.3	No			
standard requirement		No smoke	≤1.8	No			
Cond	clusion	T DS.	Pass	SET DE			

Remark:

A material is considered to pass or fail based on the following criteria:

- 1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
 - The mock-up test specimen continues to smolder after the 45 minute test duration;
 - b) A char develops more than 1.8 inches (45 mm) in any direction from the cigarette on the cover fabric measured from its nearest point.
 - c) The mock-up test specimen transitions to open flaming.
- 2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their full length and the mock-ups are no longer smoldering.
- 3. If more than one initial specimen fails, the cover fabric fails the test.
- 4. If any one of the three initial specimens fails, repeat the test on additional three specimens.
- 5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

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B.16 CFR Part 1303 Lead Paint Regulation (CPSC-CH-E1003-09.1)

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by Inductively Coupled Plasma

Optical Emission Spectrometer (ICP-OES).

Test Item	Unit	Result	757	757	MDL	Limit
51 251	- T D	De	-05	1 -	032	02,
Lead (Pb)	mg/kg	NA	51 -	ST DO	10	90
Conclusion	05,	NA	75T- V	-T-D5	-051	55

Note: 1.mg/kg=milligram per kilogram

2..NA= Not Applicable





Date:Jun.28, 2024

Report No :DST20240604682EN

- C.Test Result(s) of Consumer Product Safety Improvement Act of 2008 (CPSIA)
- 1.1. Consumer Product Safety Improvement Act of 2008 (CPSIA)
- -CPSIA Sec.101.(a) Lead in Non-Metal Children's Products (CPSC-CH-E1002-08.3)
- -CPSIA Sec.101.(a) Lead in Metal Children's Products (CPSC-CH-E1001-08.3)

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by Inductively Coupled Plasma

Optical Emission Spectrometer (ICP-OES).

Test Item	Unit	Result	b) - 00	T -	MDL	Limit
rest item	OSOIII	No.2+3+4	GT- U	-T-D5	NIDE S	Lillic
Lead (Pb)	mg/kg	N.D.	- 1	12, - 0	10	100
Conclusion	7-51	PASS	05.	057	15T- V	[

Note:

- 1. mg/kg=milligram per kilogram
- 2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.





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1.2. Consumer Product Safety Improvement Act of 2008 (CPSIA)

-CPSIA Sec.101.(f) Lead content for coating (CPSC-CH-E1003-09.1)

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by Inductively Coupled Plasma

Optical Emission Spectrometer (ICP-OES).

- 551	511.4	Result	" -ns	-67	MDI	02,
Test Item	Unit	DD, - D	51 - 5	5T P-	MDL	Limit
Lead (Pb)	mg/kg	NA	05T-	6T-D=	10	90
Conclusion	D2,	NA	55T \	- D	- 09	1 - 00

Note:

- 1. mg/kg=milligram per kilogram.
- 2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.





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2. Consumer Product Safety Improvement Act of 2008 (CPSIA)

-CPSIA Sec.108 Determination of Phthalates (CPSC-CH-C1001:09.4)

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

- D5' - D5' -ST	0404	02,	Result		Limit
Test Item	CAS No.	Unit	No.2+3+4	MDL	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553- 12-0 68515-48-0	%	N.D.	0.010	0.1
Di-n-pentyl phthalate(DPENP)	131- 18-0	%	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	0.005	0.1
Di-isobutyl phthalate(DIBP)	84-69-5	%	N.D.	0.005	0.1
Dicyclohexyl phthalate(DCHP)	84-61-7	%	N.D.	0.005	0.1
Conclusion	9 - 5	· ,	PASS	<u>51</u>	

Note:

- 1. % = percentage by weight, 0.0001% = 1 mg/kg, mg/kg=milligram per kilogram.
- 2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.





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3.As specified in Consumer Product Safety Act (CPSA) of Section 14(a)(5) Tracking Label for children's products.

Description	Result
Description	No.1
a) Is the product intended for children under 12 years? If no, the section is not applicable.	Υ
b) Is the product under the exemption of marking on children's product?	Υ
Product is too small to be marked.	N
2. Products stay with or be contained in their original packaging.	N
3. Product is sold through a bulk vending matching.	S N
4. Physical mark would weaken or damage the product or impair its utility.	N N
Product surface would be impossible to mark permanently.	N
6. Aesthetics of the product would be ruined by a mark.	D ^S N
c) Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	DP
1) Name of the manufacturer or the name of the private labeler.	Υ
2) Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state.	51 Y
3) Date of production of the product, in a form of MM/YY or any other coding system.	95 Y
4) Cohort information (including the batch, run number, or another identifying characteristic).	Υ
d) Is the label permanent after below permanency testing?	Р

Remark: P = Pass, F = Fail, Y = Yes , N= Not

Note: The tracking label assessment was based on the submitted samples and the information provided by the applicant.

There was no verification on the validity of such information.

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.

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D.16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

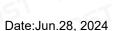
Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

7 D51	040 No	1114	Result	251		
Test Item	CAS No.	Unit	No.2	MDL	Limit	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	0.005	0.1	
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	0.005	0.1	
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	0.005	0.1	
Di-isononyl phthalate (DINP)	28553- 12-0 68515-48-0	%	N.D.	0.010	0.1	
Di-n-pentyl phthalate(DPENP)	131- 18-0	%	N.D.	0.010	0.1	
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	0.005	0.1	
Di-isobutyl phthalate(DIBP)	84-69-5	%	N.D.	0.005	0.1	
Dicyclohexyl phthalate(DCHP)	84-61-7	%	N.D.	0.005	0.1	
Di-n-octyl phthalate(DNOP)	117-84-0	%	N.D.	0.005	0.1	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	%	N.D.	0.010	0.1	
Conclusion	1	DE.	PASS	51-		

Note:

- 1.% = percentage by weight, 0.0001% = 1 mg/kg, mg/kg=milligram per kilogram
- 2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.
- 3. NA = Not Applicable







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E.Total Lead(Pb)-US California Proposition 65.

Test Method: With reference to CPSC-CH-E1001-08.3 (metal), CPSC-CH-E1002-08.3 (nonmetal),

CPSC-CH-E1003-09.1(coating) analysis was performed by ICP-OES

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Test Item	Unit	Result	Da,	55T	MDL	Limit
rest item	Unit	No.2+3+4	D5T	750	MDL	DEIIIII
Lead (Pb)	mg/kg	N.D.	51 -051	T DST	10	100(Substrate) 90(Coating)
Conclusion	057	PASS	6T- D-	7-05	- n	51 6

Note:

- 1. mg/kg=milligrams per kilogram;
- 2. N.D.=No Detection(<MDL);
- 3. MDL =Method Detection Limit.

F.Total Cadmium(Cd)-US California Proposition 65.

Test Method: With reference to EPA 3050B:1996(metal), EPA 3052:1996 (nonmetal), analysis was performed by

ICP-OES

Test Item(s)	Unit	Result No.2+3+4	Day.	051- C	MDL	Limit
Conclusion	T D	PASS	751	-65	02.)5\ <u>-</u> -

Note:

- 1. mg/kg=milligrams per kilogram;
- 2. N.D.=No Detection(<MDL);
- 3. MDL =Method Detection Limit.

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G.Phthalates(8P) -US California Proposition 65.

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS

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151 -151, V-1	05.	Result		Limit
Test Item(s)	Unit	No.2+3+4	MDL	
Dibutyl Phthalate(DBP)	%	N.D.	0.005	0.1
Benzylbutyl Phthalate (BBP)	% N.D.		0.005	0.1
Di-(2-ethylhexyl) Phthalate(DEHP)	%	N.D.	0.005	0.1
Di-n-octyl phthalate(DNOP)	%	N.D.	0.005	0.1
Diisononyl phthalate(DINP)	%	N.D.	0.010	0.1
Diisodecyl phthalate (DIDP)	%	N.D.	0.010	0.1
Dihexyl phthalate (DHP/DnHP)	%	N.D.	0.005	0.1
Diisobutyl phthalate(DIBP)	%	N.D.	0.005	0.1
Conclusion	- 75	PASS	51 - 6	(V

Note:

- 1. % = percentage by weight, 0.0001% = 1 mg/kg, mg/kg=milligram per kilogram.
- 2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.
- 3. NA = Not Applicable



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Sample and packaging pictures:

Test sample pictures

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Tracking Label Product Label Product Name sofa bed Product Model 2179 Manufacture Manufacture Address Manufacture Date Mar. 06, 2024 Made in China COMPLIES WITH U.S. CPSC REQUIREMENTS FOR UPHOLSTERED FURNITURE **FLAMMABILITY** MADE IN CHINA

*** End of Report ***

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