



Test Report

Report No:TQT0449J784E

Date: Mar.16,2026

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Applicant Foshan City, Shunde District, Kuosen Furniture Co., Ltd.
4th Floor, Building 5, No. 203, Xingui Road, Shabian Village, Lecong Town, Shunde
Address District, Foshan City, Guangdong Province (Address Application),Foshan,Guangdong,
CN(China)

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

Sample Description	Fabric,filling
Sample Name	Fabric,filling
Trademark	/
Model No.	/
Additional models	/
Batch No.	/
Manufacturer	Foshan City, Shunde District, Kuosen Furniture Co., Ltd. 4th Floor, Building 5, No. 203, Xingui Road, Shabian Village, Lecong Town, Shunde District, Foshan City, Guangdong Province (Address Application),Foshan,Guangdong,CN(China)
Address	
Manufacture Date	/
Sample Received Date	Mar.10,2026
Testing Period	Mar.10,2026~Mar.16,2026
Test Requested Test Method	Test samples according to customer requirements
Test Result	Please refer to next page(s)
CPSC Lab ID	1801



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Signed for and on behalf of:



Liu wang Manager

Date of issue : Mar.16,2026

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RESULT SUMMARY:

Test Requested		Concl usion
1.	16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead Containing Paint	PASS
2.	16 CFR 1500 Hazardous Substances Act Regulations	PASS
3.	16 CFR 1500.3 (c) (6) (vi) Definition of "flammable solid"	PASS
4.	16 CFR 1500.14 Products requiring special labeling under section 3(b) of the act	PASS
5.	16 CFR 1500.85 Exemptions from classification as banned hazardous substances	PASS
6.	16 CFR 1500.91 Determinations regarding lead content for certain materials or products under section 101 of the Consumer Product Safety Improvement Act	PASS
7.	CPSC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings	PASS
8.	Total Lead(Pb)Content - California Proposition 65	PASS
9.	US Consumer Product Safety Improvement Act 2008 (CPSIA)(H.R.4040) Section 108, Prohibition On Sale Of Certain Products Containing Specified Phthalates.	PASS
10.	Phthalates Content-16 CFR 1307	PASS
11.	Phthalates Content - California Proposition 65	PASS
12.	US CPSC: PHYSICAL AND MECHANICAL TESTS CONSISTING ASTM F963-17 8.9.1	PASS
13.	16 CFR 1640:Standard for the Flammability of Upholstered Furniture	PASS
14.	16 CFR part 1632 Standard for the Flammability of Mattresses and Mattress Pads	PASS
15.	16 CFR 1633 Standard for the Flammability (Open Flame) of Mattress Sets	PASS
16.	CATB 117:2013 - Smolder Resistance of Materials Used in Upholstered Furniture	PASS

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Sample Description:

No.	Description	Name
1	Filling	Filling Foam
2	Fabric	Cover Fabric
3	Fabric	Gray fabric
4	Fabric	Pink fabric
5	Fabric	White fabric
6	Fabric	Deep green fabric
7	Fabric	Brown fabric
8	Fabric	Deep brown fabric
9	Fabric	Dark blue fabric
10	Fabric	Dark gray fabric
11	Fabric	Green fabric
12	Fabric	Reddish brown fabric
13	Fabric	Black Fabric
14	Fabric	Dark Fabric
15	Fabric	Light gray Fabric
16	Fabric	Off-white Fabric
17	Fabric	Light khaki Fabric
18	Fabric	Dark khaki Fabric
19	Fabric	Light brown Fabric
20	Fabric	Dark brown Fabric
21	Fabric	Light green Fabric

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22	Fabric	Dark green Fabric
23	Fabric	Turquoise Fabric
24	Fabric	Light pink Fabric
25	Fabric	Light purple Fabric
26	Fabric	Dark blue Fabric
27	Fabric	Light blue Fabric
28	Fabric	Light yellow Fabric
29	Fabric	Orange-yellow Fabric

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1. Flammability Test

1.1.1 Test Performed As Requested by Client:

16 CFR 1640:Standard for the Flammability of Upholstered Furniture,CA TB 117:2013 - Smolder Resistance of Materials Used in Upholstered Furniture

Section 1—Cover Fabric Test

Sample Description:Upholstery Fabric Style 4527 Interval

Initial Test			
	Vertical Char Length (in)	Mock-up Specimen Continues to Smolder after 45 minutes	Mock-up Specimen Transitions to Open Flaming
Specimen 1	0.6	No	No
Specimen 2	0.7	No	No
Specimen 3	0.6	No	No
Specimen 4	0.6	No	No
Specimen 5	0.6	No	No
Specimen 6	0.6	No	No
Specimen 7	0.6	No	No
Specimen 8	0.6	No	No
Specimen 9	0.6	No	No
Specimen 10	0.6	No	No
Specimen 16	0.6	No	No
Specimen 17	0.6	No	No
Specimen 18	0.6	No	No
Specimen 19	0.6	No	No
Specimen 20	0.6	No	No
Specimen 21	0.6	No	No
Specimen 22	0.6	No	No
Specimen 23	0.6	No	No
Specimen 24	0.6	No	No
Specimen 25	0.6	No	No
Specimen 26	0.6	No	No
Specimen 27	0.6	No	No
Specimen 28	0.6	No	No
Specimen 29	0.6	No	No

Conclusion:The Sample submitted for testing Passes the requirements in 16 CFR PART 1640.5 Standard for The Flammability of Upholstered Furniture,California Technical Bulletin 117-2013 Section 1:Cover Fabric Test.

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1.1.2 16 CFR 1610 Flammability of clothing textiles:

Flammability test of material

Class	Plain surface textile fabric	Raised surface textile fabric
1	Burn time is 3.5 seconds or more ACCEPTABLE (3.5 sec is a pass)	(1) Burn time is greater than 7.0 seconds; or (2) Burn time is 0-7 seconds with no base burns (SFBB). Exhibits rapid surface flash only. ACCEPTABLE.
2	Class 2 is not applicable to plain surface textile fabrics	Burn time is 4-7 seconds (inclusive) with base burn (SFBB). ACCEPTABLE.
3	Burn time is less than 3.5 seconds. NOT ACCEPTABLE	Burn time is less than 4.0 seconds with base burn (SFBB). NOT ACCEPTABLE.

Requirements for classifying textiles: Class 1, Normal Flammability : Plain surface textile fabric

Sample(50*150mm)	Burn rate (in/sec.)	Result
kid costumes	<0.1	Pass

Note: In accordance with the 16 CFR 1610, the burning rate should not be greater than 0.1 inch per second.

DNI=Did Not Ignited

SE=Self-Extinguished

IBE=Ignite But Extinguished

Remark:

- 1.Sample weight 4.3 oz/yd² was exempted from flammability test in accordance with 16 CFR1610.1(d)(1) due to the fabric weight 2.6oz/yd² (88.2g/m²).
- 2.Was exempted from flammability test in accordance with 16 CFR1610.1(d)(2) due to it is made entirely from or combinations of acrylic/modacrylic/nylon/olefin/polyester/wool fibres.
- 3.Gloves less than 14 inches, hats that do not provide a covering for the neck, face or shoulders when worn by an individual, footwear that do not attach to other garment were exempted by the regulation.

- Note:
- MDL = Method Detection Limit
 - N.D.= Not Detected(<MDL)
 - 1mg/kg=1ppm=0.0001%
 - "-=Not Regulated

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1.1.3

3) Test Standard

16 CFR part 1632 Standard for the Flammability of Mattresses and Mattress Pads

Test Method:

The test was conducted in accordance with 16 CFR Part 1632. Eighteen (18) ignited cigarettes were placed on specific locations on the mattress surface, including seams, quilting intersections, and tufting holes. Each test location was observed until all combustion ceased.

Passing Criterion:

The maximum char length resulting from cigarette ignition must not exceed 2 inches (i.e., 51 mm) at any test point.

If the char length $\leq$ 51 mm: Test PASS.

If the char length $>$ 51 mm: Test FAIL.



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1.1.4

Test Results:

Test Point Number	Description of Test Point Location	Result	Maximum char length (mm)	Whether it meets the standard
1.	Gray diamond-patterned mesh fabric	Self-extinguished	25	PASS
2.	White diamond-patterned mesh fabric	Self-extinguished	16	PASS
3.	White diamond-embossed fabric	Self-extinguished	35	PASS
4.	Dark gray diamond-patterned fabric	Self-extinguished	27	PASS
5.	White fabric	Self-extinguished	31	PASS
6.	Black fabric	Self-extinguished	39	PASS
7.	Gray fabric	Self-extinguished	29	PASS
8.	Dark gray fabric	Self-extinguished	31	PASS
9.	Edge-bound diamond-patterned fabric	Self-extinguished	33	PASS
10.	Gray diamond-patterned fabric	Self-extinguished	29	PASS
11.	Gray edge-binding strip fabric	Self-extinguished	30	PASS
12.	Black edge-binding strip fabric	Self-extinguished	32	PASS
13.	White non-woven fabric	Self-extinguished	28	PASS
14.	Filling foam	Self-extinguished	39	
15.	Filling	Self-extinguished	29	
16.	Off-white Fabric	Self-extinguished	29	PASS
17.	Light khaki Fabric	Self-extinguished	29	PASS
18.	Dark khaki Fabric	Self-extinguished	29	PASS
19.	Light brown Fabric	Self-extinguished	29	PASS
20.	Dark brown Fabric	Self-extinguished	29	PASS

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21.	Light green Fabric	Self-extinguished	29	PASS
22.	Dark green Fabric	Self-extinguished	29	PASS
23.	Turquoise Fabric	Self-extinguished	29	PASS
24.	Light pink Fabric	Self-extinguished	29	PASS
25.	Light purple Fabric	Self-extinguished	29	PASS
26.	Dark blue Fabric	Self-extinguished	29	PASS
27.	Light blue Fabric	Self-extinguished	29	PASS
28.	Light yellow Fabric	Self-extinguished	29	PASS
29.	Orange-yellow Fabric	Self-extinguished	29	PASS

Conclusion:

The tested mattress, Model Dream Series Ultra, **COMPLIES WITH** the requirements of 16 CFR Part 1632. No test location exhibited char length exceeding 2 inches (51 mm).

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1.1.5 16 CFR 1633 Standard for the Flammability (Open Flame) of Mattress Sets

Test Standard and Method

Test Standard: 16 CFR Part 1633

Test Method Overview:

The complete mattress and foundation set was placed on the test platform beneath an oxygen consumption calorimeter. Two T-shaped propane gas burners were used as ignition sources, placed on the top surface of the mattress and at the crevice between the mattress and foundation. The exposure time was 50 seconds. The heat release rate was measured continuously for 30 minutes by oxygen consumption calorimetry.

Test Environment: Controlled laboratory at ambient temperature ($23 \pm 3^{\circ}\text{C}$) and relative humidity ($50 \pm 10\%$).

Test Equipment: Large Scale Oxygen Consumption Calorimeter, T-shaped propane burners, Data Acquisition System.

Pass/Fail Criteria

In accordance with 16 CFR Part 1633, the pass/fail criteria are as follows:

The peak heat release rate must not exceed 200 kW for the 30-minute test duration.

The total heat release must not exceed 25 MJ for the 30-minute test duration.

Test Results Data Table

Test Parameter	Criteria	Test Result	Conclusion
Peak Heat Release Rate	$\leq 200 \text{ kW}$	98 kW	Pass
Total Heat Release (30-min)	$\leq 25 \text{ MJ}$	15.8 MJ	Pass

Core Test Conclusion:The test sample complied with all requirements of 16 CFR Part 1633.

The tested mattress set's heat release rate and total heat release were below the criteria specified by the standard (Peak Heat Release Rate $\leq 200 \text{ kW}$ and Total Heat Release $\leq 25 \text{ MJ}$ for the 30-minute test). Therefore, the sample passed the 16 CFR Part 1633 test.

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1.2 Toxicology Test (Migration of certain elements)

As per The USA Standard Consumer Safety Specification for Toy Safety: ASTM F963-23
Migration of certain elements

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Total Lead (Non-Metal products)	CPSC-CH-E1002-08	ICP-AES
Total Lead (Metal products)	CPSC-CH-E1001-08	ICP-AES
Migration of certain elements	ASTM F963-23	ICP-AES

The Result (No.1):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.2):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.3):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.4):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.5):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.6):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.7):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.8):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.9):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.10):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.11):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.12):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.13):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.14):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.15):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.16):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.17):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.18):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.19):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.20):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.21):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.22):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.23):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.24):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.25):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.26):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

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The Result (No.27):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.28):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

The Result (No.29):

Test Item(s)	Unit	Result	MDL	Limit
Total Lead	mg/kg	N.D.	5	100
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Cadmium (Cd)	mg/kg	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	5	60
Soluble Antimony (Sb)	mg/kg	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Arsenic (As)	mg/kg	N.D.	2.5	25
Soluble Mercury (Hg)	mg/kg	N.D.	5	60

Note:

1. mg/kg= ppm
2. N.D.= Not Detected(<MDL)
3. MDL= Method Detection Limit

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1.3 Heavy Metals Content

Test method: ASTM F963-23: Soluble element Contents (Clause 4.3.5.2) - Samples were extracted by dilute hydrochloric acid in accordance with ASTM F963-23 (Clause 8.3), Analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Item	Unit	MDL	Results											Limit
			1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		
Soluble Lead (Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	
Soluble Antimony (Sb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	
Soluble Arsenic (As)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	
Soluble Barium (Ba)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	
Soluble Cadmium (Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75	
Soluble Chromium (Cr)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	
Soluble Mercury (Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	
Soluble Selenium (Se)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500	
Conclusion	/	/	Pass											/

Item	Unit	MDL	Results											Limit
			11.	12.	13.	14.	15.	16.	17.	18.	19.	20.		
Soluble Lead (Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	
Soluble Antimony (Sb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	
Soluble Arsenic (As)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	
Soluble Barium (Ba)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	
Soluble Cadmium (Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75	
Soluble Chromium (Cr)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	
Soluble Mercury (Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	
Soluble Selenium (Se)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500	
Conclusion	/	/	Pass											/

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Item	Unit	MDL	Results									Limit
			21.	22.	23.	24.	25.	26.	27.	28.	29.	
Soluble Lead (Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
Soluble Antimony (Sb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Soluble Arsenic (As)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Soluble Barium (Ba)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Soluble Cadmium (Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Soluble Chromium (Cr)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Soluble Mercury (Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Soluble Selenium (Se)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
Conclusion	/	/	Pass									/

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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2. Total Lead:

Consumer Product Safety Improvement Act 2008 (CPSIA)(H.R.4040) Section 101
Children's products containing lead.

Total Lead(Pb)Content -California Proposition 65

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Total Lead (Non-Metal products)	CPSC-CH-E1002-08	AAS
Total Lead (Metal products)	CPSC-CH-E1001-08	AAS
Total Lead (Paint or Coating)	CPSC-CH-E-1003-09.1	AAS

Test Result:

No.	Test Item	Unit	MDL	Limit	Result
1.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
2.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
3.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
4.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
5.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
6.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
7.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
8.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
9.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
10.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
11.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
12.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
13.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
14.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
15.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
16.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
17.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
18.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
19.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
20.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
21.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
22.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.

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23.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
24.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
25.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
26.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
27.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
28.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.
29.	Total Lead (Non-Metal products)	mg/kg	5	100	N.D.

- Note:**
1. mg/kg= ppm
 2. N.D.= Not Detected(<MDL)
 3. MDL= Method Detection Limit

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3. Phthalates Content Test

US Consumer Product Safety Improvement Act 2008 (CPSIA)(H.R.4040) Section 108,
Prohibition On Sale Of Certain Products Containing Specified Phthalates.

Phthalates Content-16 CFR 1307

Phthalates Content -California Proposition 65

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Phthalate	CPSC-CH-C1001-09.3	GC-MS

Test Result(No.1) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.2) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.3) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000

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Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.4) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.5) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.6) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

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Test Result(No.7) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.8) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.9) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.10) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000

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Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.11) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.12) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.13) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.14) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000

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Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.15) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.16) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.17) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

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Test Result(No.18) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.19) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.20) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.21) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000

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Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.22) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.23) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.24) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.25) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000

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Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.26) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.27) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Test Result(No.28) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

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Test Result(No.29) :

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	30	1000
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	mg/kg	N.D.	30	1000
Di-n-hexyl phthalate (DHEXP)	mg/kg	N.D.	30	1000
Dicyclohexyl phthalate (DCHP)	mg/kg	N.D.	30	1000

Note:

1. mg/kg= ppm
2. N.D.= Not Detected(<MDL)
3. MDL= Method Detection Limit

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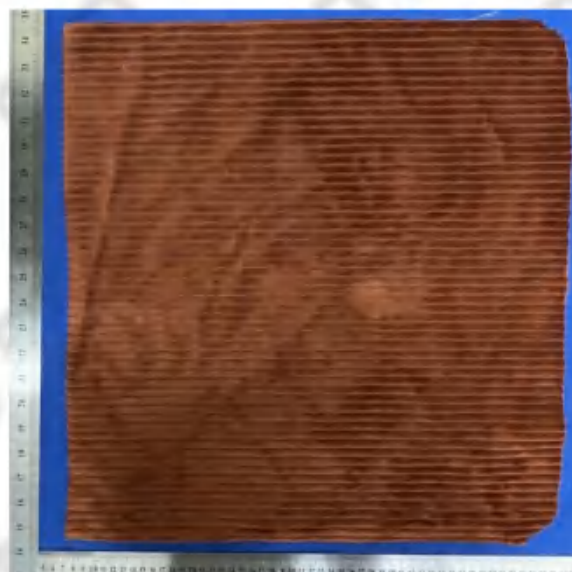
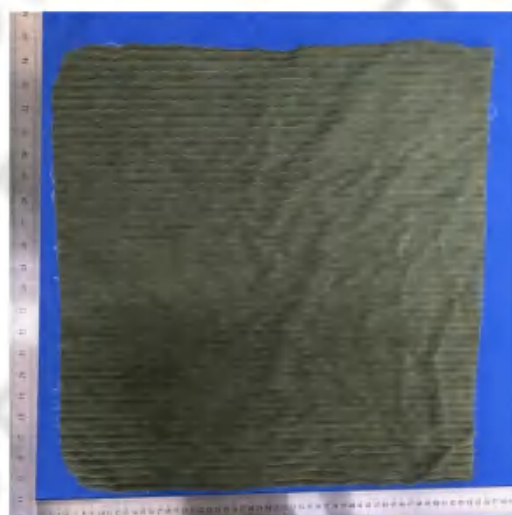
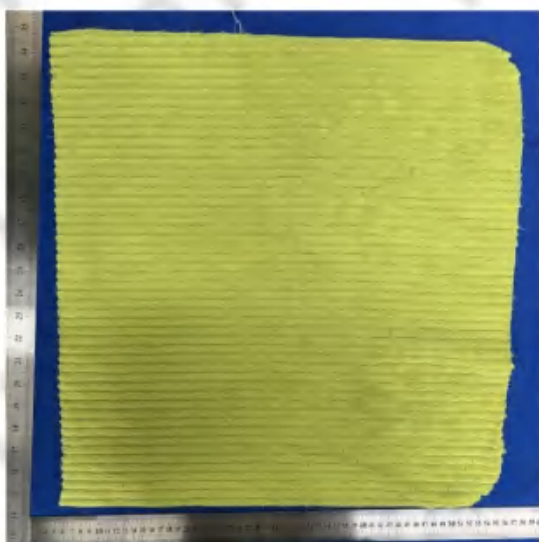
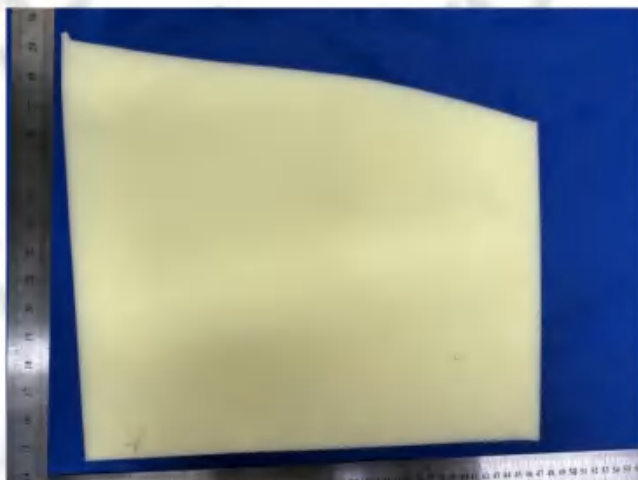
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Appearance of the Product



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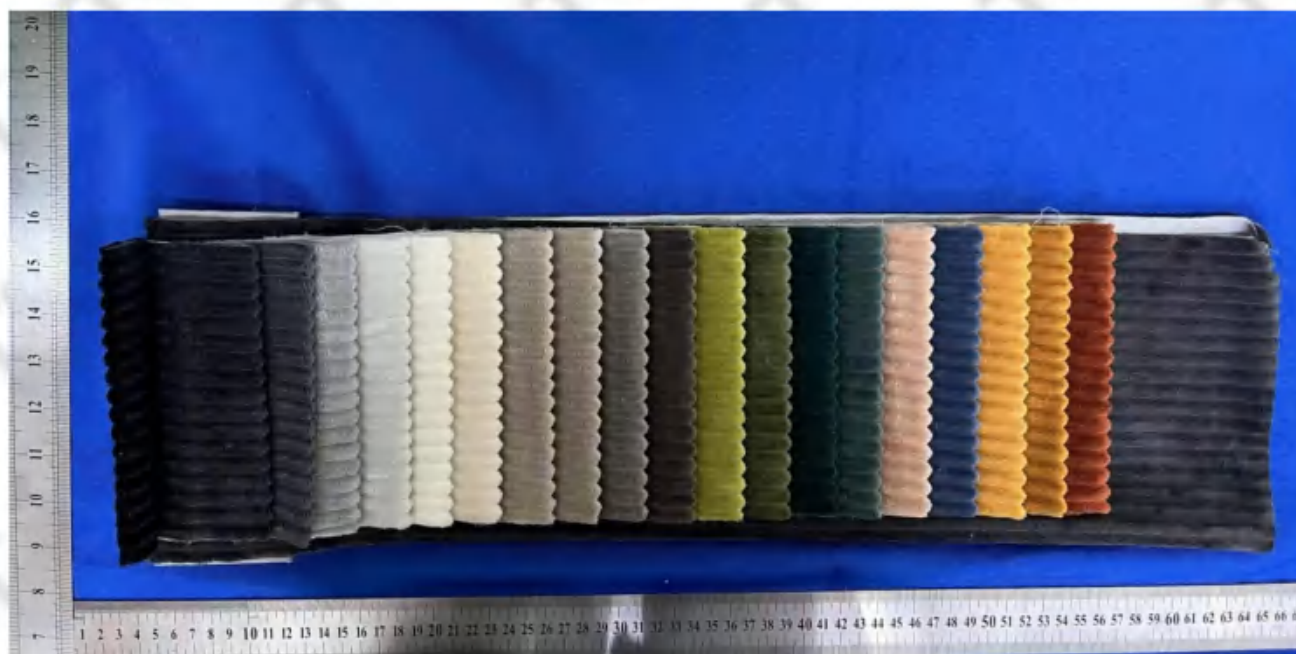
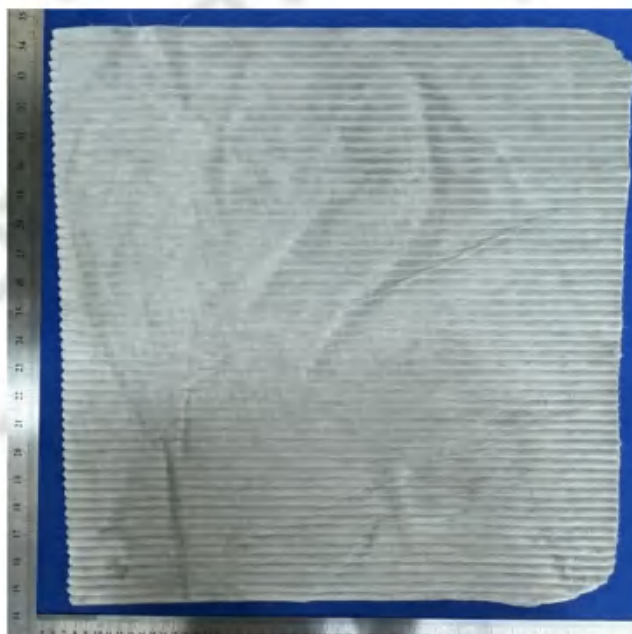
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