

CPST

Test Report

No. C210319025001-1

Date: Mar 23, 2021

Page 1 of 14

Applicant: Brighting Industrial Co., LTD.

Applicant Address: Office 903 , Building 23#, Binshuisanli, Jimei district , Xiamen , China

The following samples were submitted and identified on behalf of the clients as

Sample Name: Dice game
Requested Age Grading: 3+ years old
Labeled Age Grading: Not stated
Test age: 3+ years old
CPST Internal Reference No.: C210319025
Sample Received Date: Mar 19, 2021
Test Period: Mar 19, 2021 to Mar 23, 2021
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).



Signed for and on behalf of
Euronex (Dongguan) Consumer Products Testing Service Co., Ltd

WRITTEN BY :

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Page 2 of 14

CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
	1.ASTM F963-17 Standard Consumer Safety Specification on Toy Safety:	
	1) Physical & Mechanical Tests	PASS
	2) 4.2 Flammability	PASS
Dice game	3) Heavy metal content in Toy Substrate Materials: ASTM F963-17 Section 4.3.5.2	PASS
	2. Lead, Cadmium, Mercury, Hexavalent Chromium Content—US Toxics in packing clearinghouse(TPCH)	PASS

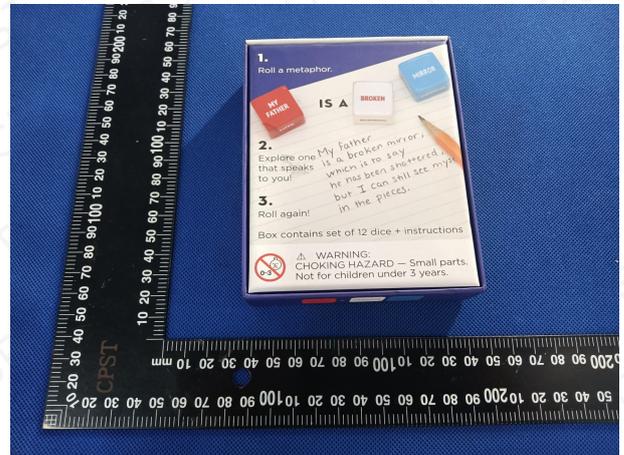
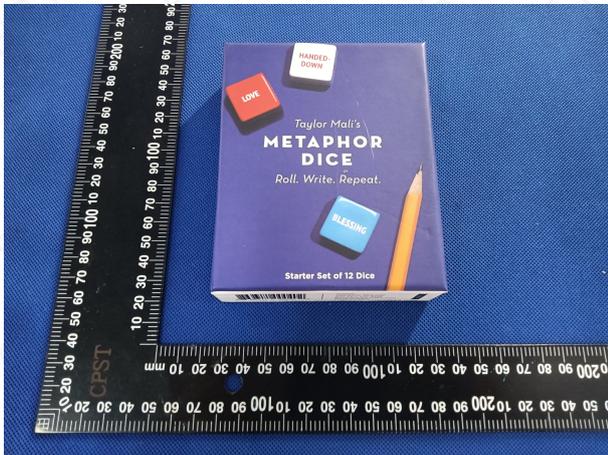
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Photo of the Submitted Sample



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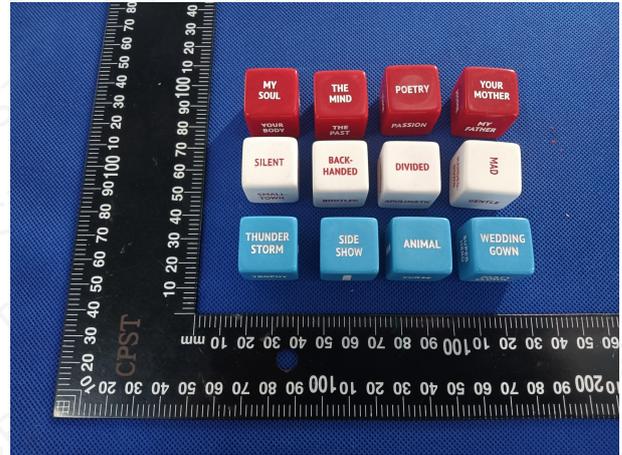
CPST

Test Report

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Page 4 of 14



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Test Result(s):

Description of Specimen : No.1 Dice game
No.2 Red dice

1)ASTM F963-17 Standard Consumer Safety Specification for Toy Safety: Physical & Mechanical Tests

Section	Test Item	Result
		No.1
4	Safety Requirements	---
4.1	Material Quality	PASS
4.2	Flammability	PASS
4.3	Toxicology	---
4.3.1	Hazardous Substances	N.A.
4.3.2	Manufacturing and Packaging of Food	N.A.
4.3.3	Indirect Food Additives	N.A.
4.3.4	Cosmetics	N.A.
4.3.5	Heavy Elements	PASS
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders and Items of Avian Feather Origin	N.A.
4.3.7	Stuffing Materials.	N.A.
4.3.8	DEHP (DOP)	N.A.
4.4	Electrical/Thermal Energy	N.A.
4.5	Sound-producing Toys	N.A.
4.6	Small Objects	---
4.6.1	Toys that are intended for children under 36 months of age	N.A.
4.6.2	Mouth-Actuated Toys	N.A.
4.6.3	Toys and games that are intended for use by children who are at least three years old but less than six years of age	PASS
4.7	Accessible Edges	PASS
4.8	Projections	N.A.
4.9	Accessible Points	PASS

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Section	Test Item	Result
		No.1
4.10	Wires or Rods	N.A.
4.11	Nails and Fasteners	N.A.
4.12	Plastic Film	N.A.
4.13	Folding Mechanisms and Hinges	N.A.
4.14	Cords, Straps, and Elastics	N.A.
4.15	Stability and Over-Load Requirements	N.A.
4.16	Confined Spaces	N.A.
4.17	Wheels, Tires and Axles	N.A.
4.18	Holes, Clearance and Accessibility of Mechanisms	N.A.
4.19	Simulated Protective Devices	N.A.
4.20	Pacifiers	N.A.
4.21	Projectile Toys	N.A.
4.22	Teethers and Teething Toys	N.A.
4.23	Rattles	N.A.
4.24	Squeeze Toys	N.A.
4.25	Battery-Operated Toys	N.A.
4.26	Toys Intended to be Attached to a Crib or Playpen	N.A.
4.27	Stuffed and Beanbag-Type Toys	N.A.
4.28	Stroller and Carriage Toys	N.A.
4.29	Art Materials	N.A.
4.30	Toy Gun Marking	N.A.
4.31	Balloons	N.A.
4.32	Certain Toys with Nearly Spherical Ends	N.A.
4.33	Marbles	N.A.

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Section	Test Item	Result
		No.1
4.34	Balls	N.A.
4.35	Pompoms	N.A.
4.36	Hemispheric-Shaped Objects	N.A.
4.37	Yo-Yo Elastic Tether Toys	N.A.
4.38	Magnets	N.A.
4.39	Jaw Entrapment in Handles and Steering Wheels	N.A.
4.40	Expanding Materials	N.A.
4.41	Toy Chests	N.A.
5.	Labeling Requirements	---
5.1	Federal Government Requirements	PASS
5.2	Age Grading Labeling	N.T.
5.3	Safety Labeling Requirements	PASS
5.4	Aquatic Toys	N.A.
5.5	Crib and Playpen Toys	N.A.
5.6	Mobiles	N.A.
5.7	Stroller and Carriage Toys	N.A.
5.8	Toys Intended to be Assembled by an Adult	N.A.
5.9	Simulated Protective Devices	N.A.
5.10	Toys with Functional Sharp Edges or Points	N.A.
5.11	Small Objects, Small Balls, Marbles and Balloons	PASS
5.12	Toy Caps	N.A.
5.13	Art Materials	N.A.
5.14	Electric Toys	N.A.
5.15	Battery-Operated Toys	N.A.

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Section	Test Item	Result
		No.1
5.16	Promotional Materials	N.A.
5.17	Magnets	N.A.
6.	Instructional Literature	---
6.1	Definition and Description	PASS
6.2	Crib and Playpen Toys	N.A.
6.3	Mobiles	N.A.
6.4	Toys Intended to be Assembled by an Adult	N.A.
6.5	Battery-Operated Toys	N.A.
6.6	Battery Powered Ride-on Toys	N.A.
6.7	Toys in Contact with Food	N.A.
6.8	Toy Chests	N.A.
7.	Producer's Markings	---
7.1	Producer's Markings	PASS
7.2	Battery-Powered Ride-on Toys	N.A.
7.3	Toy Chests	N.A.
8.	Test Method	---
8.5	Normal Use Testing	PASS
8.5.1	Washable Toys	N.A.
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.9.1	Seam Test	N.A.
8.10	Compression Test	PASS
8.12	Flexure Test	N.A.

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Section	Test Item	Result
		No.1
8.16	Tension Test for Pompoms	N.A.

N.A. = Not Applicable N.T.=Not tested (as per client's request)

The sample was resubmitted by client dated on Mar 20, 2021

2)4.2 Flammability

Ref: ASTM F 963-17 Section 4.2/A5

Flammability Test on Solid

Sample	Burning Rate (inch/sec)	Limit (inch/sec)
No.1	IBE	0.1

DNI = Did Not Ignite

IBE = Ignite But Self-Extinguished

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3) Heavy metal content in Toy Substrate Materials: ASTM F963-17 Section 4.3.5.2

Test Method: With reference to ASTM F963-17, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Items	Unit	Results	MDL	Limit
		No.2		
Soluble Lead (Pb)	mg/kg	N.D.	5	90
Soluble Mercury (Hg)	mg/kg	N.D.	5	60
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 Arsenic (As)	mg/kg	N.D.	5	25
Soluble Barium (Ba)	mg/kg	N.D.	5	1000
Soluble Selenium (Se)	mg/kg	N.D.	5	500
Total Lead(Pb)	mg/kg	N.D.	10	100

Note:

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

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2. Lead, Cadmium, Mercury, Hexavalent Chromium—US Toxics in packing clearinghouse(TPCH)

Test Method: 1) With reference to Acid digestion, the analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

2) With reference to Acid digestion, the analysis was performed by Ultraviolet visible spectrophotometer (UV-Vis).

Test items	Unit	Result	MDL	Limit
		No.3		
Cadmium (Cd)	mg/kg	N.D.	2	--
Lead (Pb)	mg/kg	N.D.	2	--
Mercury (Hg)	mg/kg	N.D.	2	--
Hexavalent Chromium (Cr ⁶⁺)	mg/kg	N.D.	2	--
Total(Cd、Pb、Hg、Cr ⁶⁺)	mg/kg	N.D.	--	100

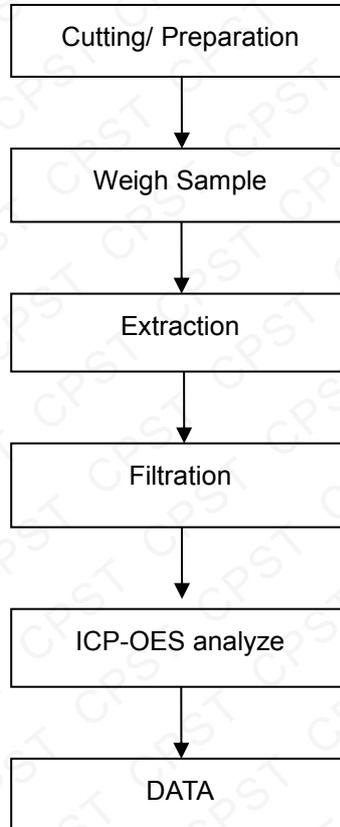
Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not Regulated

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.

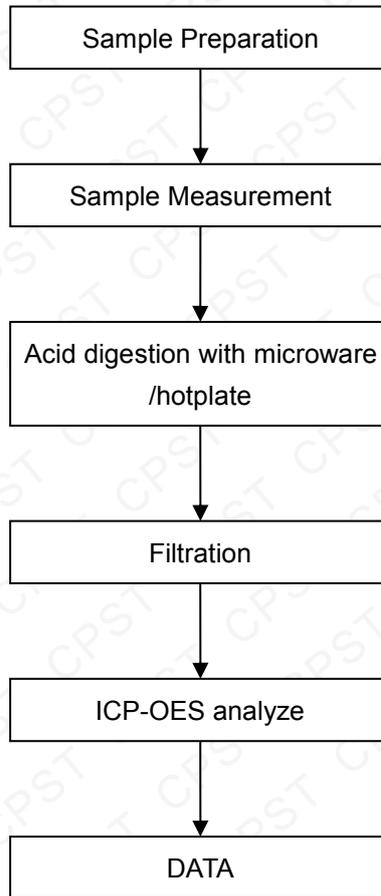
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Soluble Migrated Element Testing Flow Chart



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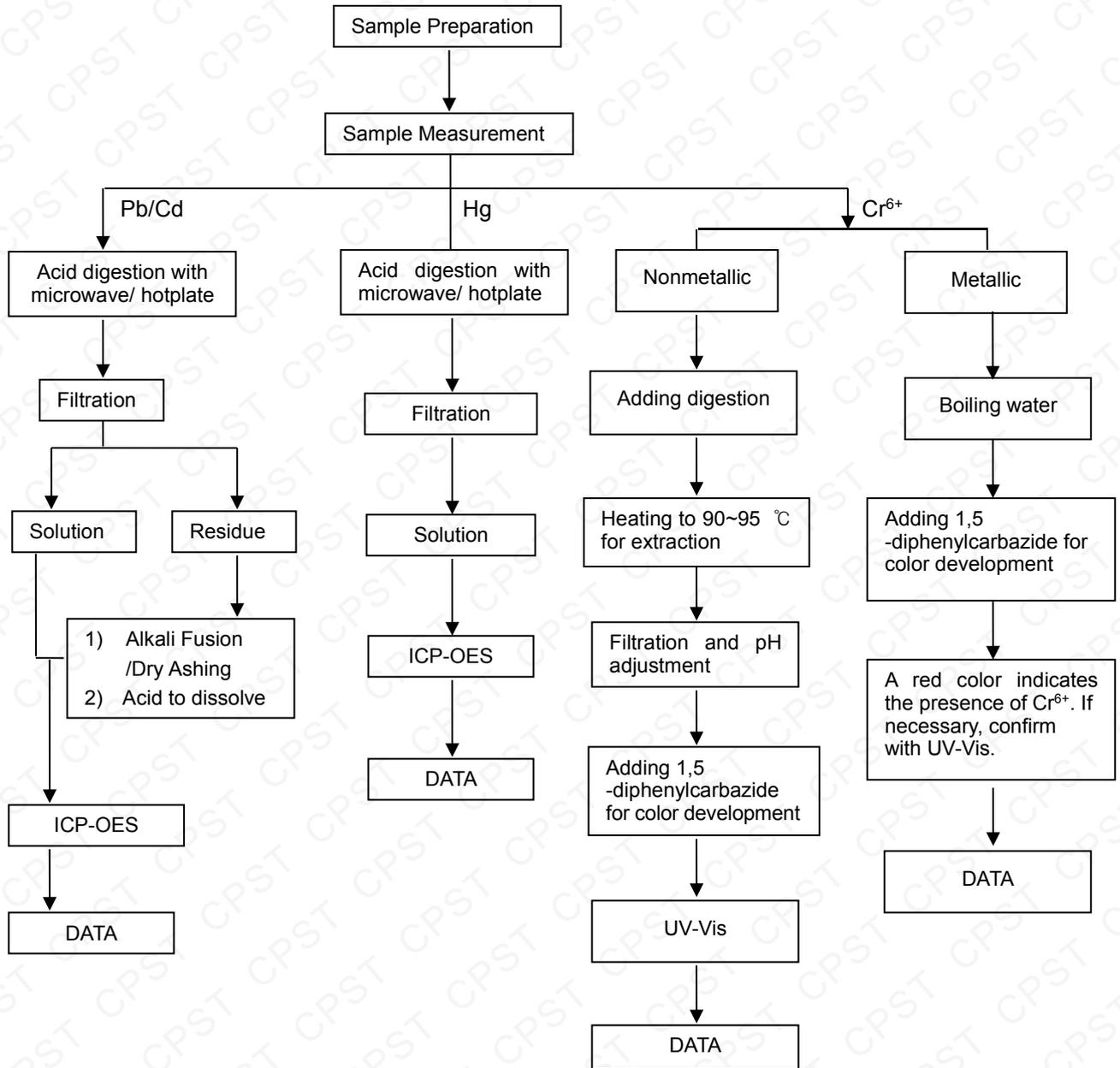
Total Lead Testing Flow Chart



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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)



*** End of Report ***

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