



Test Report

Date : 2018-10-22
No. : HP18100389

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- Applicant** : Enginuity LLC
3629 Bryant Street
Palo Alto CA 94306 USA

Attn: Andy Daniel
- Supplier** : GRAND PRIX INT'L
- Description of Samples** : Eight styles of submitted sample each in three sets said to be:
SPICY DICE GAME (see attached photo)
STYLE/ITEM NO.: ENG1111/ ENG1112
REF. NO.: 990576
COUNTRY OF ORIGIN: CHINA
COUNTRY OF DESTINATION: USA,EU
BUYER: ENGINUITY LLC
AGE GRADING: 6 YEARS AND UP
- Date Samples Received** : 2018-10-12 and 2018-10-22
- Date Tested** : 2018-10-15 to 2018-10-22
- Investigation Requested** : (1) ASTM Standard Consumer Safety Specification on Toy Safety, F963-17:
- physical and mechanical tests
- flammability test
- heavy metals content
(2) USA Consumer Product Safety Improvement Act
- Sec. 101(a): Children's products containing lead - Total lead content for substrate
- Sec. 101 (f) and 16 CFR 1303: Children's products containing lead - Total lead content in paint and surface coating
- Sec. 103(a): Tracking label evaluation
- Phthalates content as required by section 108, USA Consumer Product Safety Improvement Act and 16 CFR 1307.
(3) European Standard for Safety of Toys
- EN71-1:2014
- EN71-2:2011+A1:2014
- EN71-3:2013+A3:2018

WONG Wing-cheung, Benny
Authorized Signatory



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- Investigation Requested** :
- (4) European Regulation (EU) No. 1907/2006(REACH) Annex XVII and its amendment – Phthalate content (Formerly directive: EC Directive 2005/84/EC)
 - (5) European Regulation (EU) No. 1907/2006(REACH) Annex XVII and Regulation (EU) No 494/2011 – Total cadmium content
 - (6) Canada Consumer Product Safety Act
 - Physical and Mechanical tests
 - Flammability tests
 - Toxic elements content in surface coating
 - Phthalates content
 - (7) Total lead content in accordance with California Proposition 65.
 - (8) Phthalates content in accordance with California Proposition 65.

Conclusions : The submitted sample **complied** with the test requirements:

ASTM F963-17: physical and mechanical tests

ASTM F963-17: flammability test

ASTM F963-17: heavy metals content

USA Consumer Product Safety Improvement Act, Sec. 101(a):
Total lead content for substrate in children's products

USA Consumer Product Safety Improvement Act, Sec. 101 (f) and
16 CFR 1303: Total lead content in paint and surface coating

USA Consumer Product Safety Improvement Act, Sec. 108 and 16
CFR 1307: Phthalates content

EN71-1:2014 physical and mechanical properties

EN71-2:2011+A1:2014 flammability

EN71-3:2013+A3:2018 Migration of certain elements

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Conclusions

: The submitted sample **complied** with the test requirements:

European Regulation (EU) No. 1907/2006(REACH) Annex XVII and its amendment - Phthalate content

European Regulation (EU) No. 1907/2006(REACH) Annex XVII and Regulation (EU) No 494/2011 – Total cadmium content

Toys Regulations SOR/2011-17 under Canada Consumer Product Safety Act – Physical and Mechanical Test (Apart from Clause 3)

Toys Regulations SOR/2011-17 under Canada Consumer Product Safety Act – Flammability Test

Toys Regulations SOR/2011-17 and Canada Gazette Part II Vol. 145 No.4 under Canada Consumer Product Safety Act – Toxic element content in surface Coating

Phthalates Regulation SOR/2010-298 under Canada Consumer Product Safety Act: Phthalates content

California Proposition 65: total lead content

California Proposition 65: phthalate content

A handwritten signature in black ink, appearing to read 'Wong Wing-cheung'.

WONG Wing-cheung, Benny
Authorized Signatory

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AGE GRADING:

For Item#1-4:

The sample was appropriately age graded with the marking of “6+”.

For Item#5-8:

The sample did not contain an age grade; however, the applicant requested it be tested according to the age grade of 6 years and up.

AGE GRADING FOR TESTING:

6 years and up.

Test Results :

1. ASTM F963-17

1.1 Mechanical and physical, electrical hazards

Ref.: ASTM F963-17

Applicable requirements before and after use and abuse testing:

<u>Applicable Section</u>	<u>Description</u>	<u>Result</u>
4	<u>Safety requirements</u>	
4.1	Material quality (by visual assessment)	Pass
4.2	Flammability	Pass* ¹
4.3	Toxicology	Pass* ¹
4.7	Accessible edges	Pass
4.9	Accessible points	Pass
5	<u>Labeling requirements</u>	
5.2	Age grading labeling	* ²
5.16	Promotional materials	Pass
6	<u>Instructional literature</u>	
6.1	Definition and description	Pass
7	<u>Producer’s markings</u>	
7.1	Name and address of the producer or distributor	* ³

Use and abuse testing:

<u>Applicable section</u>	<u>Description</u>	<u>Test Condition</u>
8.5	Normal use testing	
8.6	Abuse testing	
8.7	Impact tests	4 drops at 3 ft.
8.8	Torque tests	4 in-lbs.
8.9	Tension tests	15 lbs.
8.10	Compression tests	30 lbs.

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*¹ = Refer to the relevant test results at the following pages.

*² = See age grading.

*³ = There is no manufacturer name and address was found on the sample.

1.2 Flammability test of material other than textiles

Ref.: ASTM F963-17 Section 4.2

Method used: ASTM F963-17 Annex A5

Result: Pass

<u>Sample</u>	<u>Burn rate (in/sec.)</u>
Score pad	DNI

DNI = Did Not Ignite.

Note1: The burning rate should not be greater than 0.1 inch per second.

1.3 Flammability test of textiles fabrics

Ref.: ASTM F963-17 Section 4.2

Method used: ASTM F963-17 Annex A6

Result: Pass

<u>Fabric sample</u>	<u>After washing (sec.)</u>	<u>Result</u>
Black fabric	DNI -	Pass
	DNI -	
	DNI -	
	DNI -	
	DNI -	

DNI = Did Not Ignite.

1.4 Heavy element

Ref.: ASTM F963-17 Section 4.3.5

Method: ASTM F963-17 Section 8.3

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Paint and Similar Surface-Coating Materials

Ref.: ASTM F963-17 Section 4.3.5.1

Coating material

- (a) Dice (#1/#2/#3/#4/#5/#6/#7/#8) : white/red
- (b) Score sheet (#1/#2/#3/#4) : black/grey multicolour
- (c) Bag (#1/#2/#3/#4) : yellow/red/light green/white

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Sample	Total Lead content, ppm
(a)	<10
(b)	<10
(c)	<10
Limit	90

Sample	Soluble heavy metal content, ppm							
	Lead	Cadmium	Chromium	Barium	Antimony	Arsenic	Mercury	Selenium
(a)	<2	<2	<2	38	<2	<2	<2	<2
(b)	<2	<2	<2	3	<2	<2	<2	<2
(c)	<2	<2	<2	5	<2	<2	<2	<2
Limit	90	75	60	1000	60	25	60	500

Toys Substrate Materials

Ref.: ASTM F963-17 Section 4.3.5.2

Polymeric material

- (a) Dice (#1/#5) : pearl black plastic
- (b) Dice (#2/#6) : pearl purple plastic
- (c) Dice (#3/#7) : pearl light blue plastic
- (d) Dice (#4/#8) : pearl orange plastic

Paper and board

- (e) Score sheet (#1/#2/#3/#4) : white paper

Textile material

- (f) Bag (#1/#2/#3/#4) : black fabric
- (g) String on bag (#1/#2/#3/#4) : black fabric

Sample	Total Lead content, ppm
(a)	<10
(b)	<10
(c)	<10
(d)	<10
(e)	<10
(f)	<10
(g)	<10
Limit	100

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Sample	Soluble heavy metal content, ppm							
	Lead	Cadmium	Chromium	Barium	Antimony	Arsenic	Mercury	Selenium
(a)	<2	<2	<2	<2	<2	<2	<2	<2
(b)	<2	<2	<2	<2	<2	<2	<2	<2
(c)	<2	<2	<2	<2	<2	<2	<2	<2
(d)	<2	<2	<2	<2	<2	<2	<2	<2
(e)	<2	<2	<2	<2	<2	<2	<2	<2
(f)	<2	<2	<2	<2	<2	<2	<2	<2
(g)	<2	<2	<2	8	<2	<2	<2	<2
Limit	90	75	60	1000	60	25	60	500

ppm = mg/kg (milligram per kilogram)
 mg = milligram

2. USA Consumer Product Safety Improvement Act

2.1 Children's products containing lead - Total lead content in substrate

Ref.: CPSIA Sec 101(a)

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Polymeric material/Paper and Board/Textile

Test method: Standard operation procedure for determining total lead (Pb) in non-metal children's products, CPSC-CH-E1002-08.3

- (a) Dice (#1/#5) : pearl black plastic
- (b) Dice (#2/#6) : pearl purple plastic
- (c) Dice (#3/#7) : pearl light blue plastic
- (d) Dice (#4/#8) : pearl orange plastic
- (e) Score sheet (#1/#2/#3/#4) : white paper
- (f) Bag (#1/#2/#3/#4) : black fabric
- (g) String on bag (#1/#2/#3/#4) : black fabric

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Sample No.	Total lead content, ppm
(a)	<10
(b)	<10
(c)	<10
(d)	<10
(e)	<10
(f)	<10
(g)	<10
Limit	100

2.2 Children's products containing lead - Total lead content in paint and surface coating

Ref.: CPSIA Sec. 101 (f) and 16 CFR 1303

Test method: CPSC-CH-E 1003-09.1

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Coating material

- (a) Dice (#1/#2/#3/#4/#5/#6/#7/#8) : white/red
- (b) Score sheet (#1/#2/#3/#4) : black/grey multicolour
- (c) Bag (#1/#2/#3/#4) : yellow/red/light green/white

Sample No.	Total lead content, ppm
(a)	<10
(b)	<10
(c)	<10
Limit	90

Remark

- ppm = part per million which is equivalent to milligram per kilogram (mg/kg)
- < = less than

2.3 Phthalates content

Ref.: CPSIA Sec. 108 & 16 CFR 1307

Test method: CPSC-CH-C1001-09.3 by Gas Chromatography with Mass Selective Detector

- (a) Dice (#1/#5) : pearl black plastic with white/red coating
- (b) Dice (#2/#6) : pearl purple plastic with white/red coating
- (c) Dice (#3/#7) : pearl light blue plastic with white/red coating
- (d) Dice (#4/#8) : pearl orange plastic with white/red coating

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Sample No.	Phthalates content, %(w/w)							
	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DPENP	DCHP
(a)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(b)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(c)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(d)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Remark:

- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DINP = Diisononyl phthalate
- DHEXP =Di-n-hexyl phthalate
- DIBP =Diisobutyl phthalate
- DPENP =Di-n-pentyl phthalate
- DCHP =Dicyclohexyl phthalate
- %(w/w) =percentage weight per weight

2.4 Tracking label evaluation

Ref.: CPSIA Section 103(a) Tracking labels for children's products

Result: Pass*⁴

*⁴ = Tracking label was found on the submitted sample and its packaging. The tracking label information as provided by the applicant will enable the manufacturer and consumers to ascertain the name of manufacturer or private labeller, date and location of production, cohort information (including the batch, run number, or other identifying characteristic).

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3. EN71

3.1 EN71-1:2014 – Part 1: Mechanical and physical properties

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>General requirements</u>	
4.1	Materials cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
7	<u>Markings and instructions for use</u>	* ⁵
7.1	General	* ⁶
7.2	Toys not intended for children under 36 months	Pass

*⁵ = The manufacturer or his authorized representative or the importer into the community shall in a visible, easily legible and indelible form affix his name and/or trade name and/or mark and address on the toy or on its packaging.

*⁶ = See age grading.

3.2 EN71-2:2011+A1:2014 – Part 2: Flammability

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	Pass

3.3 EN71-3 :2013+A3:2018 -Part 3: Migration of certain elements

Test Method: EN71-3: 2013+A3:2018

Determined by: Inductively Coupled Plasma Mass Spectrometry

Category III: Scraped-off toy material (see Note)

Polymeric material

- (a) Dice (#1/#5) : pearl black plastic
- (b) Dice (#2/#6) : pearl purple plastic
- (c) Dice (#3/#7) : pearl light blue plastic
- (d) Dice (#4/#8) : pearl orange plastic

Paper and board

- (e) Score sheet (#1/#2/#3/#4) : white paper

Textile material

- (f) Bag (#1/#2/#3/#4) : black fabric
- (g) String on bag (#1/#2/#3/#4) : black fabric

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Coating material

- (h) Dice (#1/#2/#3/#4/#5/#6/#7/#8) : white/red
- (i) Score sheet (#1/#2/#3/#4) : black/grey multicolour
- (j) Bag (#1/#2/#3/#4) : yellow/red/light green/white

	Result (mg/kg)					Limit of Detection (mg/kg)	Limit (mg/kg)
	a	b	c	d	e		
Weight, mg	≥100	≥100	≥100	≥100	≥100		
Elements							
Aluminium	ND	ND	ND	ND	ND	5	70000
Antimony	ND	ND	ND	ND	ND	5	560
Arsenic	ND	ND	ND	ND	ND	5	47
Barium	ND	ND	ND	ND	ND	5	18750
Boron	ND	ND	ND	ND	ND	5	15000
Cadmium	ND	ND	ND	ND	ND	2.5	17
Chromium	ND	ND	ND	ND	ND	0.05	
Chromium(III)	BL	BL	BL	BL	BL	0.05	460
Chromium (VI)	BL	BL	BL	BL	BL	0.02	0.2/0.053 [#]
Cobalt	ND	ND	ND	ND	ND	5	130
Copper	ND	ND	ND	ND	ND	5	7700
Lead	ND	ND	ND	ND	ND	5	23
Manganese	ND	ND	ND	ND	12	5	15000
Mercury	ND	ND	ND	ND	ND	5	94
Nickel	ND	ND	ND	ND	ND	5	930
Selenium	ND	ND	ND	ND	ND	5	460
Strontium	ND	ND	ND	ND	25	5	56000
Tin	ND	ND	ND	ND	ND	0.2	180000
Organic tin	ND	ND	ND	ND	ND	0.49	12
Zinc	ND	ND	ND	ND	ND	5	46000

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	Result (mg/kg)					Limit of Detection (mg/kg)	Limit (mg/kg)
	f	g	h	i	j		
Weight, mg	≥100	≥100	≥100	≥100	≥100		
Elements							
Aluminium	ND	9	ND	5	20	5	70000
Antimony	ND	ND	ND	ND	ND	5	560
Arsenic	ND	ND	ND	ND	ND	5	47
Barium	ND	8	38	ND	ND	5	18750
Boron	ND	ND	ND	ND	ND	5	15000
Cadmium	ND	ND	ND	ND	ND	2.5	17
Chromium	0.147	0.107	0.152	0.101	0.577	0.05	
Chromium(III)	0.147	BL	0.152	BL	0.577	0.05	460
Chromium (VI)	ND	BL	ND	BL	ND	0.02	0.2/0.053 [#]
Cobalt	ND	ND	ND	17	ND	5	130
Copper	ND	21	ND	ND	ND	5	7700
Lead	ND	ND	ND	ND	ND	5	23
Manganese	ND	ND	ND	10	ND	5	15000
Mercury	ND	ND	ND	ND	ND	5	94
Nickel	ND	ND	ND	ND	ND	5	930
Selenium	ND	ND	ND	ND	ND	5	460
Strontium	9	ND	ND	27	ND	5	56000
Tin	ND	ND	0.2	ND	ND	0.2	180000
Organic tin	ND	ND	0.2	ND	ND	0.49	12
Zinc	14	29	14	ND	16	5	46000

≥100mg =larger or equal to 100mg in one sample for soluble element test



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Remark: ND = Not detected
BL = Below Limit
mg/kg = milligram per kilogram

= Limit effective on 18 November 2019 according to COMMISSION DIRECTIVE (EU) 2018/725 of 16 May 2018 amending, for the purpose of adaptation to technical and scientific developments, point 13 of part III of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the safety of toys, as regards chromium VI.

The Chromium (III) and Chromium (VI) content was determined by screening the soluble Chromium content. When the result of Chromium exceeded the limit of Chromium (III) and Chromium (VI), confirmation test was performed and the Chromium III content was determined by subtracting the Chromium (VI) content from the total Chromium content.

The organic tin content was determined by screening the soluble tin content. When the tin content exceeded the limit of organic tin after conversion, confirmation test was performed in accordance with the EN 71-3:2013+A3 2018.

4. Phthalate content
Ref.: EU Directive 1907/2006(REACH) Annex XVII
Method used: Gas Chromatography Mass Spectrometer

- (a) Dice (#1/#5) : pearl black plastic with white/red coating
- (b) Dice (#2/#6) : pearl purple plastic with white/red coating
- (c) Dice (#3/#7) : pearl light blue plastic with white/red coating
- (d) Dice (#4/#8) : pearl orange plastic with white/red coating

Sample	Phthalates content, %(w/w)					
	DBP	BBP	DEHP	DNOP	DINP	DIDP
(a)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(b)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(c)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(d)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	The cumulative total of DBP, BBP and DEHP shall not be greater than 0.1% by mass of the plasticised material.			The cumulative total of DNOP, DINP and DIDP shall not be greater than 0.1% by mass of the plasticised material.		



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Remark:

- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DNOP = Di-n-octyl phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate
- %(w/w) = percentage weight per weight
- Method detection limit = 0.01%(w/w)
- The requirements of DNOP, DINP and DIDP are only applicable on tested material which can be placed in the mouth by children.

5. Total cadmium analysis
Ref.: EC Directive 1907/2006(REACH) Annex XVII and Regulation (EU) No 494/2011
Method used: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Polymeric material

- (a) Dice (#1/#5) : pearl black plastic
- (b) Dice (#2/#6) : pearl purple plastic
- (c) Dice (#3/#7) : pearl light blue plastic
- (d) Dice (#4/#8) : pearl orange plastic

Coating material

- (e) Dice (#1/#2/#3/#4/#5/#6/#7/#8) : white/red
- (f) Score sheet (#1/#2/#3/#4) : black/grey multicolour
- (g) Bag (#1/#2/#3/#4) : yellow/red/light green/white

<u>Sample</u>	<u>Result</u>	<u>Acceptable Limit</u>
(a)	<0.001%	0.01%
(b)	<0.001%	0.01%
(c)	<0.001%	0.01%
(d)	<0.001%	0.01%
(e)	<0.001%	0.01%
(f)	<0.001%	0.01%
(g)	<0.001%	0.01%

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6. Canada Consumer Product Safety Act

6.1 Physical and Mechanical Test

Ref.: Toys Regulations SOR/2011-17, Canada Consumer Product Safety Act

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
3	Official languages	* ⁷
	<u>Mechanical Hazards</u>	
10	Plastic edges	Pass
	<u>Thermal and flammability hazards</u>	
21	Cellulose nitrate detection	Pass

Reasonably foreseeable use

Drop test: 4 times at 36"

Push-pull test: 10 lb.

*⁷ = The French information was not found on the tested sample.

6.2 Flammability Tests

6.2.1 Cellulose nitrate detection

Ref.: Toys Regulations SOR/2011-17, section 21

Result: not detected.

6.2.2 Flammability test of outer covering

Ref.: Toys Regulations SOR/2011-17, section 32

<u>Fabric sample</u>	<u>Burning Time (sec)</u>		<u>Result</u>
	<u>Original</u>	<u>After washing & drying</u>	
Black fabric	DNI	-	Pass
	DNI	-	
	DNI	-	
	DNI	-	
	DNI	-	

DNI = Did Not Ignite.

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6.3 Toxic elements analysis

Ref.: Toys Regulations SOR/2011-17, section 23 and Canada Gazette Part II Vol. 145 No.4
 Method used: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Coating material

- (a) Dice (#1/#2/#3/#4/#5/#6/#7/#8) : white/red
- (b) Score sheet (#1/#2/#3/#4) : black/grey multicolour
- (c) Bag (#1/#2/#3/#4) : yellow/red/light green/white

Sample	Total content, mg/kg		Soluble content, % (w/w)				
	Pb	Hg	Cd	Ba	Sb	As	Se
(a)	<10	<5	<0.001	<0.001	<0.001	<0.001	<0.001
(b)	<10	<5	<0.001	<0.001	<0.001	<0.001	<0.001
(c)	<10	<5	<0.001	<0.001	<0.001	<0.001	<0.001
Limit	90	10	0.1	0.1	0.1	0.1	0.1

Remark:

- Pb = Lead
- Hg = Mercury
- Cd = Cadmium
- Ba = Barium
- Sb = Antimony
- As = Arsenic
- Se = Selenium
- mg/kg = milligram per kilogram
- % (w/w) = percentage weight per weight

6.4 Phthalates content

Ref.: Toys Regulations SOR/2011-17, section 27(3d) and Phthalates Regulation SOR/2010-298
 Method used: Gas Chromatography Mass Spectrometer

- (a) Dice (#1/#5) : pearl black plastic with white/red coating
- (b) Dice (#2/#6) : pearl purple plastic with white/red coating
- (c) Dice (#3/#7) : pearl light blue plastic with white/red coating
- (d) Dice (#4/#8) : pearl orange plastic with white/red coating



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Sample	Phthalates content, mg/kg					
	DBP	BBP	DEHP	DNOP	DINP	DIDP
(a)	<100	<100	<100	<100	<100	<100
(b)	<100	<100	<100	<100	<100	<100
(c)	<100	<100	<100	<100	<100	<100
(d)	<100	<100	<100	<100	<100	<100
Limit	1000	1000	1000	1000	1000	1000

Remark:

- DBP = Di-n-butyl phthalate
- BBP = Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DNOP = Di-n-octyl phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate
- mg/kg = milligram per kilogram
- Method detection limit = 100mg/kg
- The requirements of DNOP, DINP and DIDP are only applicable on tested material which can be placed in the mouth of children under 4 years of age.

7. California Proposition 65: Lead content

Ref.: Proposition 65 list of chemicals.

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Surface coating

- (a) Dice (#1/#2/#3/#4/#5/#6/#7/#8) : white/red
- (b) Score sheet (#1/#2/#3/#4) : black/grey multicolour
- (c) Bag (#1/#2/#3/#4) : yellow/red/light green/white

Sample No.	Lead content, mg/kg
(a)	<10
(b)	<10
(c)	<10
Limit	90

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Accessible Substrate

Polymeric material

- (a) Dice (#1/#5) : pearl black plastic
- (b) Dice (#2/#6) : pearl purple plastic
- (c) Dice (#3/#7) : pearl light blue plastic
- (d) Dice (#4/#8) : pearl orange plastic

Paper and board

- (e) Score sheet (#1/#2/#3/#4) : white paper

Textile material

- (f) Bag (#1/#2/#3/#4) : black fabric
- (g) String on bag (#1/#2/#3/#4) : black fabric

Sample No.	Lead content, mg/kg
(a)	<10
(b)	<10
(c)	<10
(d)	<10
(e)	<10
(f)	<10
(g)	<10
Limit	100

Remark:

Method detection limit = 10mg/kg
mg/kg =milligrams per kilogram

The above limit was quoted from the requirement stated in Alameda Superior Court, RG-07-356892.

8. California Proposition 65: Phthalates content

Ref.: Proposition 65 list of chemicals.

Determined by: Gas Chromatography Mass Spectrometer

- (a) Dice (#1/#5) : pearl black plastic with white/red coating
- (b) Dice (#2/#6) : pearl purple plastic with white/red coating
- (c) Dice (#3/#7) : pearl light blue plastic with white/red coating
- (d) Dice (#4/#8) : pearl orange plastic with white/red coating

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Sample No.	Phthalates content, %(w/w)					
	DBP	BBP	DEHP	DNOP	DINP	DIDP
(a)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(b)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(c)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(d)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	0.1	0.1	0.1	0.1	0.1	0.1

Remark:

Method detection limit = 0.01%(w/w)

%(w/w) =percentage weight per weigh

The above limit was quoted from the requirement stated in Alameda Superior Court, BG-07-350969.

- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DnHP = Di-n-hexyl Phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate

***** **End of Test Report** *****

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Appendix for Photos of the Submitted Sample



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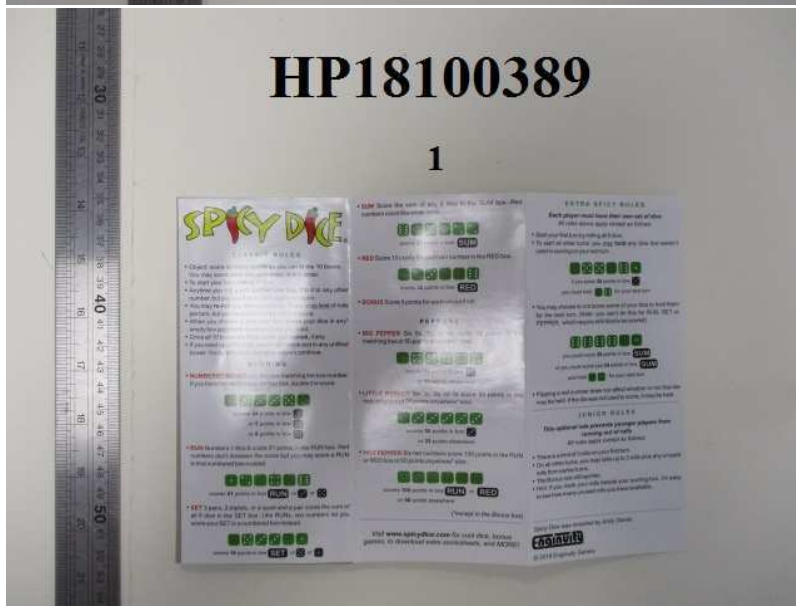
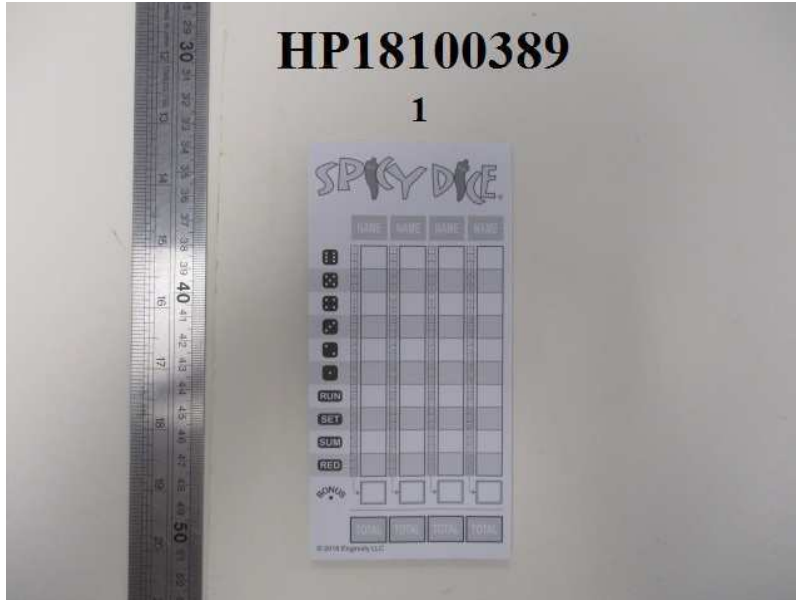
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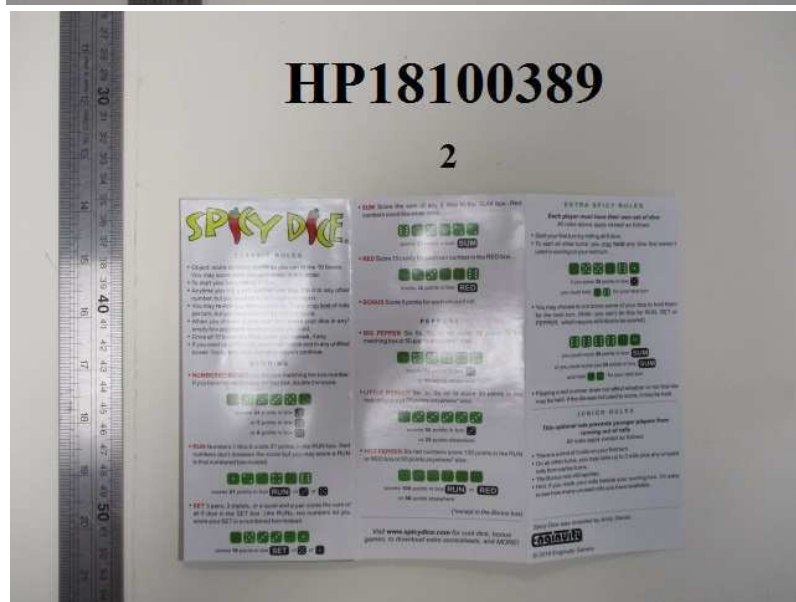
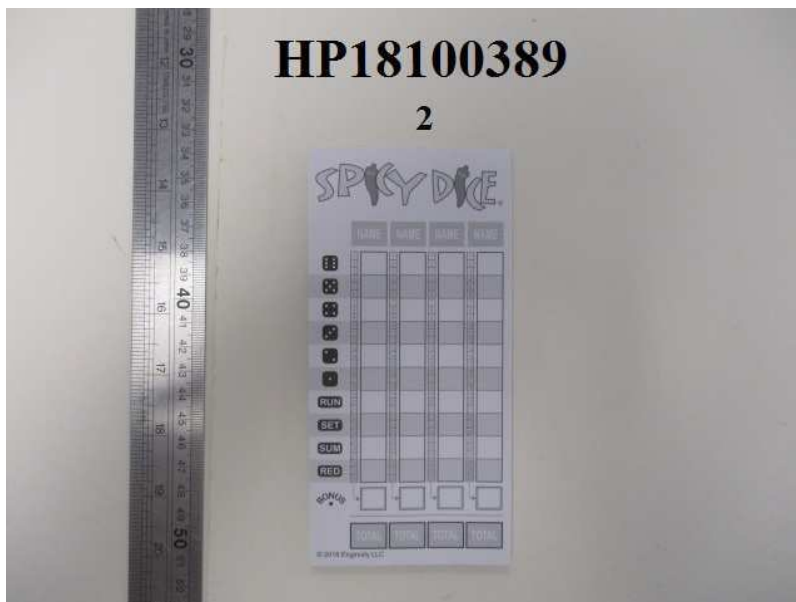
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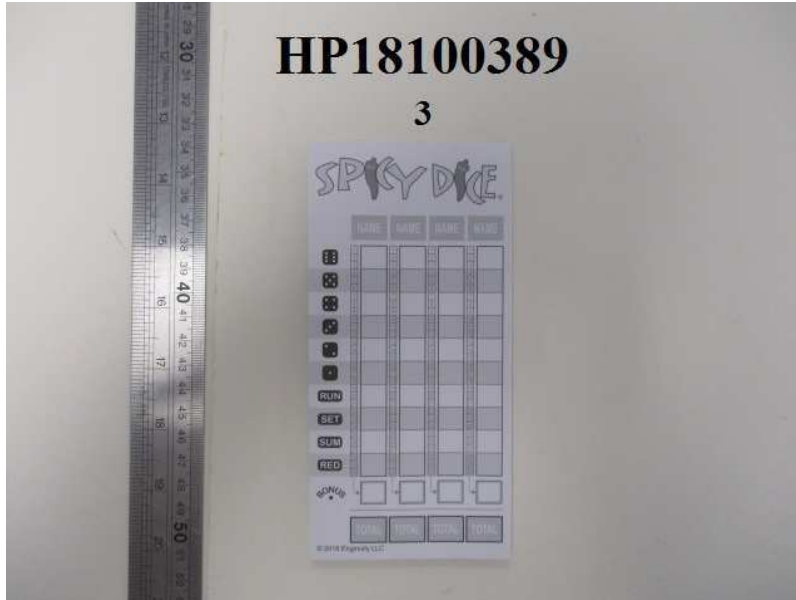
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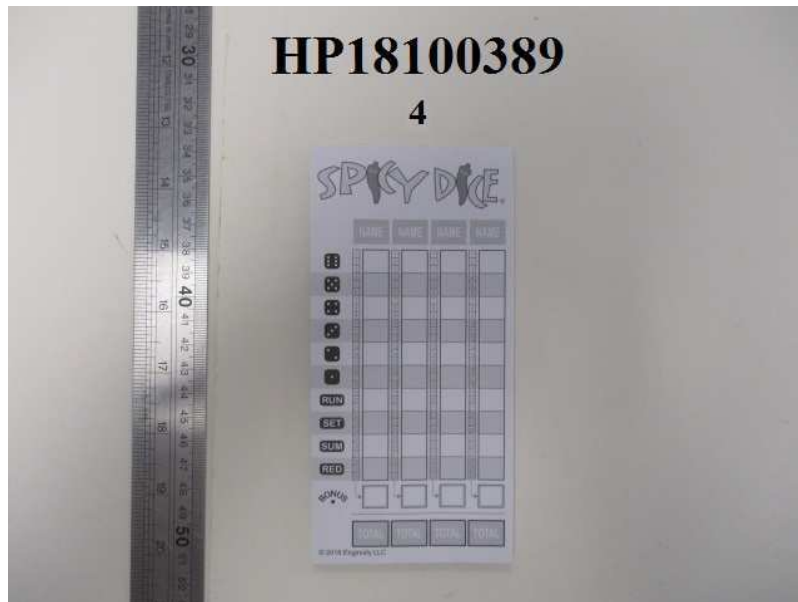
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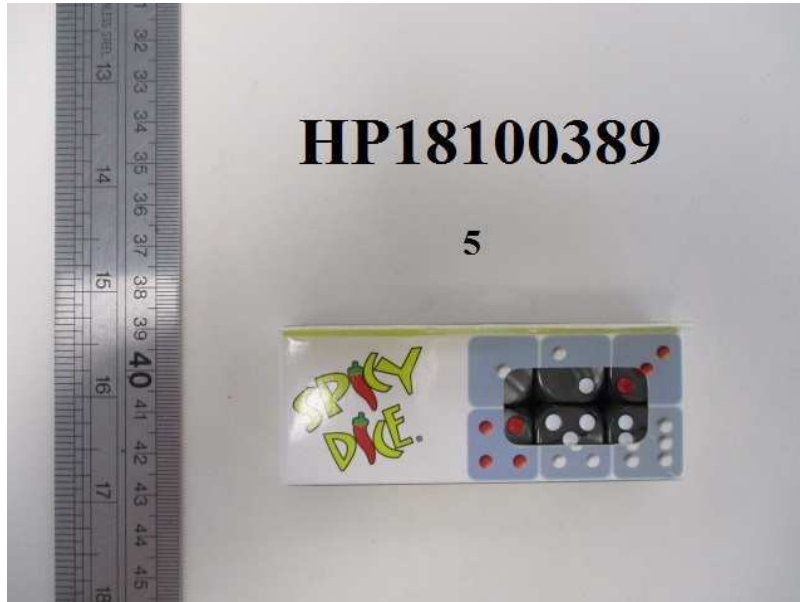
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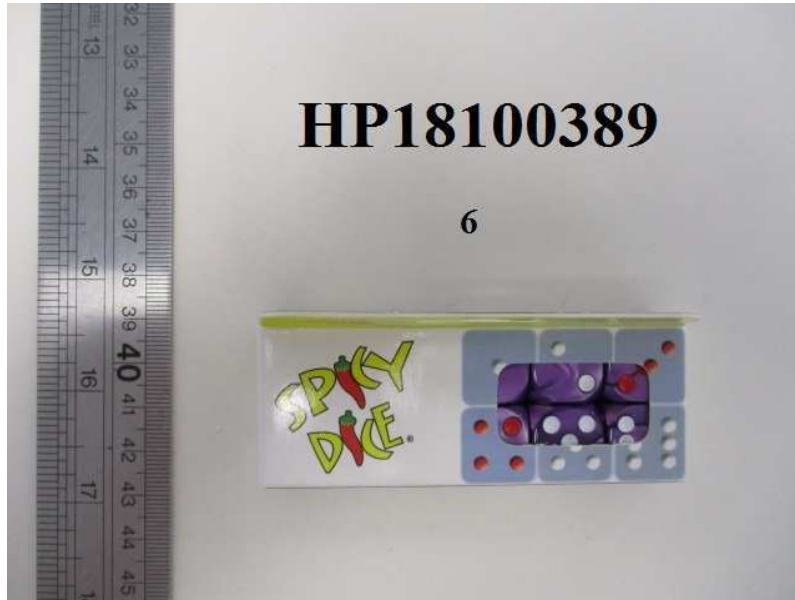
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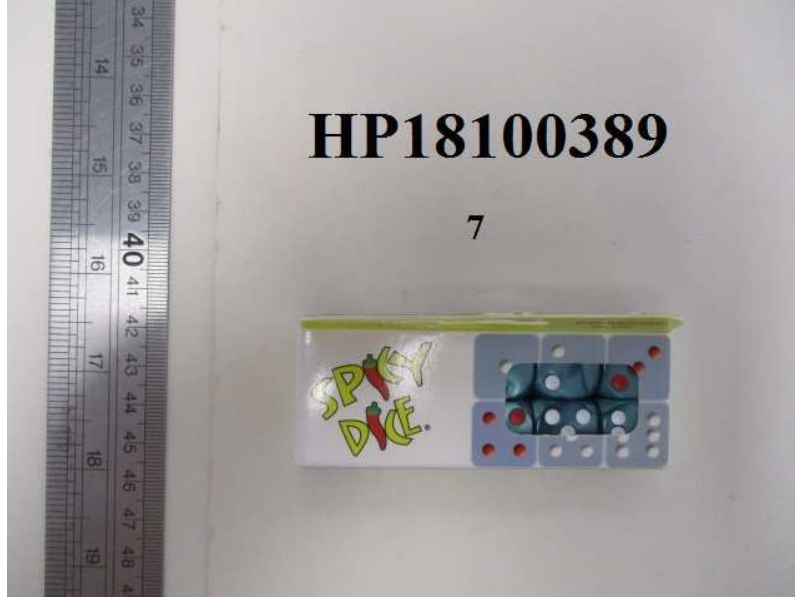
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