

Test Report

Report No.: DGCTT180530510EN

Date: May 22, 2018

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Applicant: CSP INC

Address: 8248 W. ORANGE DR GLENDALE, AZ 85303 USA

The following merchandise was (were) submitted and identified by client as:

Sample Name: SPLAT SPORTS BALLS

Sample Model: 4-806

Sample Size: 3 套

Packaging Provided: Yes

Labelled Age Group: --

Tested Age Grading: 3+

Appropriate Age Grading: 3+

Applicant's Specified

Testing Age Group: 3+

Sample Received Date: May 16, 2018

Test Period: May 16, 2018 to May 22, 2018

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

Test Requested and Conclusion(s): Please refer to next page(s).

Signed for and on Behalf of CTT



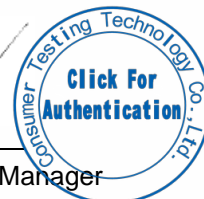
Hilary He / Technical Manager
Consumer Testing Technology Co., Ltd.



Signed for and on Behalf of CTT



Michael Wang / Technical Manager
Consumer Testing Technology Co., Ltd.



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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Submitted sample	ASTM F963-17 - Physical and Mechanical Properties (Excluding Section 5.16,6.1,7.1)	PASS
2	Submitted sample	ASTM F963-17 - Flammability	PASS
3	Submitted sample	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in paint or surface coating	PASS
4	Submitted sample	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in accessible substrate materials	PASS
5	Submitted sample	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
6	Submitted sample	ASTM F963-17 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material	PASS

Test Result(s):

Mechanical and Physical Properties - ASTM F963-17

Section	Testing Items	Assessment
		SPLAT SPORTS BALLS
4	Safety requirements	PASS
4.1	Material quality	PASS
4.3.7	Stuffing materials	NA
4.4	Electrical/thermal energy	NA
4.5	Sound producing toys	NA
4.6	Small objects	NA
4.6.1	Toys intended for children under 36 months of age	NA
4.6.2	Mouth actuated toys	NA
4.7	Accessible edges	PASS

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4.8	Projections	NA
4.9	Accessible points	PASS
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NR*
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.32	Certain toys with nearly spherical ends	NA
4.34	Balls	NA
4.34.1	Toy intended for children under 36 months of age	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling Requirement	NR*

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5.4	Aquatic toys	NA
5.5	Crib and playpen toys	NA
5.6	Mobiles	NA
5.7	Stroller and carriage toys	NA
5.8	Toys intended to be assembled by an adult	NA
5.9	Simulated protective devices	NA
5.10	Toys with functional sharp edges or points	NA
5.11	Small objects, small balls, marbles, and balloons	NA
5.12	Toy caps	NA
5.13	Art materials	NA
5.14	Electric toys	NA
5.15	Battery operated toys	NA
5.16	Promotional materials	NR*
5.17	Magnets	NA
6	Instructional Literature	NR*
6.1	Definition and description	NR*
6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	NA
6.5	Battery operated toys	NA
6.6	Battery powered ride-on toys	NA
6.7	Toys in contact with food	NA
6.8	Toy chests	NA
7	Producer's Marking	
7.1	Name of the producer or the distributor	NR*
	Address of the producer or the distributor	NR*
7.2	Battery powered ride on toys	NA
7.3	Toy chests	NA

- Note:**
1. NA = Not Applicable
 2. NR =Not Requested
 3. "****" = Per client's requirement, the packaging was not evaluated.
 4. The name and address of the producer or the distributor shall be marked on the toy or the package.

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The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:

Testing Items	FHSA	Parameter
	SPLAT SPORTS BALLS	
Drop Test	Section 1500.53(b)	4x3.0 ft
Torque Test	Section 1500.53(e)	4.0 inch ·lbf
Tension Test	Section 1500.53(f)	15 lbf

Test Result(s):

Flammability - ASTM F963-17 Annex A5

Sample Description	Ignition Location	Burn Length (inch)	Burn Time (sec.)	Burn Rate (inch/sec.)	Limit (inch/sec.)	Conclusion
Baseball	Edge	1.9	60	0.03	0.15	PASS
Football	Edge	2.0	60	0.03	0.15	PASS
Basketball	Edge	2.1	60	0.04	0.15	PASS

Note: 1. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

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Test Result(s):

The Lead content of paint or surface coating - CPSIA

Method: CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
4+5	90	N.D.	PASS

The Lead content of accessible substrate materials - CPSIA

Method:

Metal - CPSC-CH-E1001-08.3

Nonmetal - CPSC-CH-E1002-08.3

Analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
1+2+3	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if the materials are tested separately. This had been taken in account in the conclusion of this report.

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Test Result(s):

Phthalates – CPSIA (16 CFR 1307)

Method: CPSC-CH-C1001-09.3, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Test Substances	CAS No.	Limit (mg/kg)	RL (mg/kg)	Result (mg/kg)
				1+2+3
DBP	84-74-2	1000	50	N.D.
BBP	85-68-7	1000	50	N.D.
DEHP	117-81-7	1000	50	N.D.
DINP	28553-12-0/ 68515-48-0	1000	100	N.D.
DIBP ⁿ	84-69-5	1000	50	N.D.
DCHP ⁿ	84-61-7	1000	50	N.D.
DPENP ⁿ	131-18-0	1000	50	N.D.
DHEXP ⁿ	84-75-3	1000	50	N.D.
Conclusion				PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. Children's toys and child care articles shall not more than 1000mg/kg DBP, BBP, DEHP, DINP, DIBP, DCHP,DPENP and DHEXP
 - Children's toys defined as 12 years and under.
 - Child care articles to facilitate sleep or feeding of children 3 years and under, or to help children with sucking and teething.
 5. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if the materials are tested separately. This had been taken in account in the conclusion of this report.

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Test Result(s):

Soluble Heavy Metals content in substrate material - ASTM F963-17 Section 4.3.5.2

Method: ASTM F963-17 Section 8.3.2, 8.3.3 and 8.3.5, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Elements	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Limit (mg/kg)	25	1000	75	60	60	90	60	500	
RL (mg/kg)	2.5	5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.

Test Material List

The following materials apply only to the samples submitted for chemical testing

Material No.	Description	Location
1	Brown plastic	Basketball
2	White plastic	Baseball
3	White plastic	Football
4	Black paint	Coating of basketball/football
5	Red paint	Coating of baseball

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Photo of Sample:



End of Report

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