

Test Report

Report No.: DGCTT180530512ENR1

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: | SQUISHY BALL IN NET | | |
| Sample Model: | 4-809 | | |
| Packaging Provided: | No | | |
| 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 21, 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 accessible substrate materials | PASS |
| 4 | Submitted sample | US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates | PASS |
| 5 | Submitted sample | ASTM F963-17 Section 4.3.5.2 - Total Lead content in substrate material | 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 |
|---------|---|--------------------|
| | | Toy / Toy entirety |
| 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 |
| 4.8 | Projections | NA |
| 4.9 | Accessible points | PASS |

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| | | |
|--------|---|-----|
| 4.10 | Wires or rods | NA |
| 4.11 | Nails and fasteners | NA |
| 4.12 | Plastic film | NA |
| 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* |
| 5.4 | Aquatic toys | NA |
| 5.5 | Crib and playpen toys | NA |

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| | | |
|------|---|-----|
| 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 |
|---------------|--------------------|----------------|
| | Toy / Toy entirety | |
| 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 |
|--------------------|-------------------|--------------------|------------------|-----------------------|-------------------|------------|
| Toy / Toy entirety | Edge | 2.5 | 60 | 0.04 | 0.15 | PASS |

- Note:**
1. DNI = Did not ignite.
 2. IBE = Ignited but self-extinguished before burn-rate could be determined.
 3. 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 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 |
|--------------|---------------|----------------|------------|
| 2 | 100 | N.D. | PASS |
| 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.

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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) |
|--------------------|---------------------------|---------------|------------|----------------|
| | | | | 2 |
| 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.

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Test Result(s):

Total Lead content in substrate material - ASTM F963-17 Section 4.3.5.2

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. | RL (mg/kg) | Limit (mg/kg) | Result (mg/kg) | Conclusion |
|--------------|------------|---------------|----------------|------------|
| 2 | 10 | 100 | N.D. | PASS |
| 3 | 10 | 100 | N.D. | PASS |

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

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) | | | | | | | | |
| 2 | 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.

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Test Material List

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

| Material No. | Description | Location |
|--------------|-----------------------|--------------------|
| 1 | Black synthetic fiber | Net |
| 2 | Transparent plastic | Body of grape ball |
| 3 | White plastic | Buckle |

Remark: DGCTT180530512EN is replaced by this report.

Photo of Sample:



End of Report

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