



中国认可
国际互认
检测
TESTING
CNAS L1744

SHANTOU DAHENG TECHNOLOGY CO., LTD.

Technical Report: (8823)254-0017(A)
Date Received: Sep 11, 2023

Sep 19, 2023
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SHANTOU DAHENG TECHNOLOGY CO., LTD.
NO. 10, WEST SECOND ROAD, OLD STATE ROAD, HUAINAN
VILLAGE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU
CITY, GUANGDONG PROVINCE, CHINA

| | | | |
|-----------------------------|---|---------------------|----------------|
| Sample Description: | REMOTE CONTROL CAR | Sample Size: | 7 |
| Vendor: | N/A | Item No(s): | SEE ATTACHMENT |
| Manufacturer: | N/A | SKN/SKU No.: | NOT PROVIDE |
| Labeled Age Grade: | DH-190: FOR AGES 14 UP, DH-290: 8 AGES | PO No.: | NOT PROVIDE |
| Appropriate Age Grade: | NOT REQUESTED | Ref #: | NOT PROVIDE |
| Client Specified Age Grade: | 8+ | Country of Origin: | NOT PROVIDE |
| Grade: | | Assortment No.: | NOT PROVIDE |
| Tested Age Grade: | OVER 8 YEARS OF AGE | Test Finished Date: | SEP 19, 2023 |
| UPC Code: | N/A | | |
| Test Starting Date: | SEP 11, 2023 | | |

EXECUTIVE SUMMARY:

| Test Requested | Conclusion |
|---|------------|
| (#)Mechanical hazards requirements of ASTM F963-17, "Standard consumer safety specification for toy safety". | PASS |
| (#)Labeling requirements of ASTM F963-17, "Standard consumer safety specification for toy safety". | PASS |
| (#)Flammability requirement of solids under ASTM F963-17 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys". | PASS |

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Lisa Bai

Lisa Bai
Analytical lab technical ass. manager



BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Tone Tang

Tone Tang
Physics Lab Assistant Supervisor

RT/ Carmen Xiong

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com
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EXECUTIVE SUMMARY:

| Test Requested | Conclusion |
|--|------------|
| <i>(#)Total lead content in surface coating requirements of ASTM F963-17, "Standard consumer safety specification for toy safety", Section 4.3.5.1(1).</i> | PASS |
| <i>(#)Total lead content in substrate requirements of ASTM F963-17, "Standard consumer safety specification for toy safety", Section 4.3.5.2(2)(a).</i> | PASS |
| <i>(#)Soluble heavy metals content in surface coating requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).</i> | PASS |
| <i>(#)Soluble heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).</i> | PASS |
| Total lead content requirements in children products according to the California Proposition 65 settlements of Alameda Superior Court RG 07356892. | PASS |
| BBP, DBP, DEHP, DnHP and DIDP content requirements in toys, child care articles and watches according to the California Proposition 65 settlements of County of Sacramento case number 07AS04683, and the Alameda Superior Court case numbers BG07350969, RG08367601, RG07351032 and RG08378050. | PASS |

Note: At the request of the client, the sample(s) was evaluated for use by children 8+.

Note: At the request of the client, ASTM F963-17 the Section 4.25 about Battery-Operated Toys requirement(s) was waived for this submission.

Note: At the request of client, test(s) was conducted on the certain component(s) of the submitted samples(s) / submitted component(s).

Note: The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.

Note: Tests with (#) are accredited by CNAS.

ATTACHMENT:

Item No(s):

~~DH-100~~ ~~DH-200~~ ~~DH-300~~ ~~DH-400~~ ~~DH-500~~ ~~DH-600~~ ~~DH-700~~ ~~DH-800~~ ~~DH-900~~ ~~DH-110~~ ~~DH-120~~
~~DH-130~~ ~~DH-140~~ ~~DH-150~~ ~~DH-160~~ ~~DH-170~~ ~~DH-180~~ ~~DH-190~~ ~~DH-210~~ ~~DH-220~~ ~~DH-230~~ ~~DH-240~~
~~DH-250~~ ~~DH-260~~ ~~DH-270~~ ~~DH-280~~ ~~DH-290~~ ~~DH-310~~ ~~DH-320~~ ~~DH-330~~ ~~DH-340~~ ~~DH-350~~ ~~DH-360~~
~~DH-370~~ ~~DH-380~~ ~~DH-390~~ ~~DH-410~~ ~~DH-420~~ ~~DH-430~~ ~~DH-440~~ ~~DH-450~~ ~~DH-460~~ ~~DH-470~~ ~~DH-480~~
~~DH-490~~ ~~DH-510~~ ~~DH-520~~ ~~DH-530~~ ~~DH-540~~ ~~DH-550~~ ~~DH-560~~ ~~DH-570~~ ~~DH-580~~ ~~DH-590~~ ~~DH-610~~
~~DH-620~~ ~~DH-630~~ ~~DH-640~~ ~~DH-650~~ ~~DH-660~~ ~~DH-670~~ ~~DH-680~~ ~~DH-690~~ ~~DH-710~~ ~~DH-720~~ ~~DH-730~~
~~DH-740~~ ~~DH-750~~ ~~DH-760~~ ~~DH-770~~ ~~DH-780~~ ~~DH-790~~ ~~DH-810~~ ~~DH-820~~ ~~DH-830~~ ~~DH-840~~ ~~DH-850~~
~~DH-860~~ ~~DH-870~~ ~~DH-880~~



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Tested Component(s) Description List:

| Test Item(s) | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---------------------------------|----------------|----------|
| I001 | Red plastic | Car | - |
| I002 | Blue plastic | Car | - |
| I003 | Black plastic | Car | - |
| I004 | Green plastic | Wheel | - |
| I005 | Transparent red plastic | Car light | - |
| I006 | Red soft plastic | Tire | - |
| I007 | Blue soft plastic | Tire | - |
| I008 | Grey soft plastic | Tire | - |
| I009 | White soft plastic | Wire | - |
| I010 | Green coating | Surface of car | - |



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RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-17, "Standard Consumer Safety Specification on Toy Safety". Annex A1

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.



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RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-17)

| Section | Requirement | Result |
|---------|--|--------|
| 4.1 | Material Quality | M |
| 4.3.7 | Stuffing Materials | N/A |
| 4.5 | Sound-Producing Toys | M |
| 4.6 | Small Objects | N/A |
| 4.7 | Accessible Edges | N/A |
| 4.8 | Projections | N/A |
| 4.9 | Accessible Points | N/A |
| 4.10 | Wires and 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, Clearances 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(exclude Section 4.25.10 Battery-powered ride-on toys & Section 4.25.11 Toys that Contain Secondary Cells or Secondary Batteries) | NT |
| 4.26 | Toys Intended to be Attached to a Crib or Playpen | N/A |
| 4.27 | Stuffed and Beanbag-Type Toys | N/A |
| 4.30 | Toy Gun Marking | N/A |
| 4.32 | Certain Toys with Nearly Spherical Ends | N/A |
| 4.34 | Small 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 |

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section



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RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-17)

| Section | Requirement | Result |
|--------------|---|--------|
| 5.4 & 5.3 | Aquatic Toys | N/A |
| 5.5 & 5.3 | Crib and Playpen Toys | N/A |
| 5.6 & 5.3 | Mobiles | N/A |
| 5.7 & 5.3 | Stroller and Carriage Toys | N/A |
| 5.8 & 5.3 | Toys Intended to be Assembled by an Adult | N/A |
| 5.9 & 5.3 | Simulated Protective Devices | N/A |
| 5.10 & 5.3 | Toys with Functional Sharp Edges or Sharp Points | N/A |
| 5.11 | Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19) | N/A |
| 5.12 | Toy Caps (16CFR1500.86) | N/A |
| 5.13 | Art Materials (16 CFR 1500.14(b)(8)) | N/A |
| 5.15 | Battery-Operated Toys (exclude 5.15.1 and 5.15.2) | N/A |
| 5.15.1 & 5.3 | Battery-Powered Ride-On Toys | N/A |
| 5.15.2 & 5.3 | Button or Coin Cell Batteries | N/A |
| 5.16 | Promotional Materials | M |
| 5.17 & 5.3 | Magnets | N/A |
| 6.1 | Definition and Description | M |
| 6.2 | Crib and Playpen Toys | N/A |
| 6.3 | Mobiles | N/A |
| 6.4 & 5.3 | Toys Intended to be Assembled by an Adult | N/A |
| 6.5 | Battery-Operated Toys | NT |
| 6.6 | Battery-Powered Ride-On Toys | N/A |
| 6.7 | Toys in Contact with Food | N/A |
| 7.1 | Producer's Name and Address | M |
| 7.2 | Battery-Powered Ride-on Toys | N/A |

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

FLAMMABILITY (16 CFR SECTION 1500.3(c)6)(vi))

| Requirement | Test Method Reference | Findings |
|---|-----------------------|---|
| Burn rate no greater than 0.1 of an inch per second | 16 CFR 1500.44 | Most rapid burn rate less than 0.1 of an inch per second. |



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RESULTS:

Total Lead Content in Surface Coating – ASTM International Standard ASTM F963-17, Section 4.3.5.1(1)

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

| | |
|---------------------------|----------|
| Maximum Allowable Limit : | 90 mg/kg |
|---------------------------|----------|

| Test Item(s) | Result | Unit | Conclusion |
|--------------|-----------------|-------|------------|
| | Total Lead (Pb) | | |
| I010 | ND | mg/kg | PASS |

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

Total Lead Content in Substrate – ASTM International Standard ASTM F963-17, Section 4.3.5.2(2)(a)

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

| | |
|---------------------------|-----------|
| Maximum Allowable Limit : | 100 mg/kg |
|---------------------------|-----------|

| Test Item(s) | Result | Unit | Conclusion |
|----------------|-----------------|-------|------------|
| | Total Lead (Pb) | | |
| I001+I002+I003 | ND | mg/kg | PASS |
| I004+I005 | ND | mg/kg | PASS |
| I006+I007 | ND | mg/kg | PASS |
| I008+I009 | ND | mg/kg | PASS |

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10



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RESULTS:

Soluble Heavy Metals Content in Surface Coating –ASTM F963-17, Section 4.3.5.1(2)

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.2 to 8.3.4

| | | | | | | | | |
|---------------------------|----|------|----|----|----|----|----|-----|
| Analyte | As | Ba | Cd | Cr | Hg | Pb | Sb | Se |
| Max. Limit (mg/kg) | 25 | 1000 | 75 | 60 | 60 | 90 | 60 | 500 |
| Analytical Correction (%) | 60 | 30 | 30 | 30 | 50 | 30 | 60 | 60 |

| Analyte | As | Ba | Cd | Cr | Hg | Pb | Sb | Se | Mass of Trace Amount | Conclusion |
|--------------|----------------|----|----|----|----|----|----|----|----------------------|------------|
| Test Item(s) | Result (mg/kg) | | | | | | | | (g) | |
| I010 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |

Note / key:

As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium
 Hg = Mercury Pb = Lead Sb = Antimony Se = Selenium
 ND = Not detected g = gram(s) % = percent
 mg/kg = milligram(s) per kilogram
 Detection Limit (mg/kg) : As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50



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RESULTS:

Soluble Heavy Metals Content in Substrate –ASTM F963-17, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.5 (Excluding 8.3.5.5(3))

| Analyte | As | Ba | Cd | Cr | Hg | Pb | Sb | Se |
|----------------------------|----|------|----|----|----|----|----|-----|
| Max. Limit Type I (mg/kg) | 25 | 1000 | 75 | 60 | 60 | 90 | 60 | 500 |
| Max. Limit Type II (mg/kg) | 25 | 250 | 50 | 25 | 25 | 90 | 60 | 500 |
| Analytical Correction (%) | 60 | 30 | 30 | 30 | 50 | 30 | 60 | 60 |

| Analyte | As | Ba | Cd | Cr | Hg | Pb | Sb | Se | Mass of Trace Amount | Conclusion |
|--|----------------|----|----|----|----|----|----|----|----------------------|------------|
| Test Item(s) | Result (mg/kg) | | | | | | | | (g) | |
| Type I: Substrate other than modeling clay | | | | | | | | | | |
| I001 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I002 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I003 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I004 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I005 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I006 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I007 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I008 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |
| I009 | ND | ND | ND | ND | ND | ND | ND | ND | - | PASS |

Note / key:

As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium
Hg = Mercury Pb = Lead Sb = Antimony Se = Selenium
ND = Not detected g = gram(s) % = percent
mg/kg = milligram(s) per kilogram (ppm=parts per million)
Detection Limit (mg/kg) :
For Type I – As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50
For Type II – Each (As, Cr & Hg) : 2.5; Ba : 25; Cd : 5.0; Sb : 6.0; Pb : 9.0; Se : 50

Remark:

- Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-17. The lead content analysis result of corresponding material herein is for client's reference only.



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RESULTS:

Total Lead Content in Children Products (California Proposition 65 settlements of Alameda Superior court RG 07356892)

Test Method : EPA 3050B (Mod) / EPA 3051A (Mod)

| | | |
|--------------------------|---------|--------------------------------------|
| Maximum Allowable Limit: | Type I | Paint and surface coatings: 90 mg/kg |
| | Type II | Substrate materials: 100 mg/kg |

| Test Item(s) | Type | Result | Unit | Conclusion |
|----------------|------|-----------------|-------|------------|
| | | Total Lead (Pb) | | |
| I001+I002+I003 | II | ND | mg/kg | PASS |
| I004+I005 | II | ND | mg/kg | PASS |
| I006+I007 | II | ND | mg/kg | PASS |
| I008+I009 | II | ND | mg/kg | PASS |
| I010 | I | ND | mg/kg | PASS |

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

Remark:

CA65 Lead content are not accredited by CNAS.



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RESULTS:

BBP/DBP/DEHP/DnHP/DIDP Phthalates Content Requirements in Toys, Child Care Articles and Watches – California Proposition 65 settlements of County of Sacramento case number 07AS04683, and the Alameda Superior Court case numbers BG07350969, RG08367601, RG07351032 and RG08378050

Test Method : With reference to U. S. CPSC-CH-C1001-09.4 (January 17, 2018)

| Test Parameter: | BBP | DBP | DEHP | DnHP | DIDP | - |
|-----------------|------------|-----|------|------|------|------------|
| Limit (%): | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | - |
| Test Item(s) | Result (%) | | | | | Conclusion |
| I006+I007+I009 | ND | ND | ND | ND | ND | PASS |

Note / key:

BBP = Butyl benzyl phthalate DBP = Dibutyl phthalate DEHP = Di(2-ethylhexyl) phthalate
 DnHP = Di-n-hexyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005

Remark:

California proposition 65 phthalates content are not accredited by CNAS.

RESULTS:



END OF REPORT