



Vantin Testing



中国认可
国际互认
检测
TESTING
CNAS L9713

Test Report

Report No.: W2303562

Date: 2023-04-12

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Applicant : GHD MANUFACTURE CO.,LIMITED

Address : YUTAN ROAD CHENGHAI SHANTOU CITY,GUANGDONG CHINA

Sample Description:

Name of Product / Item : Toy series
 Item No. : GHD455273, GHD455274
 Above sample information was submitted and/or identified by client

Quantity of Sample : 3 sets
 Other Information : WJ20230410017
 Labeled Age Grading : 3+
 Requested Age Grading : 3+
 Age Group Assessed As Per Age Guideline : Over 3 years
 Age Group Applied in Testing : Over 3 years
 Sample Receiving Date : 2023-04-10
 Testing Period : 2023-04-10 TO 2023-04-12

TEST REQUESTED

CONCLUSION

Standard of Consumer Safety Specification for Toy Safety :

- ASTM F963-17 : Physical and Mechanical Tests	PASS
- ASTM F963-17 : Clause 4.2 Flammability Test	PASS
- ASTM F963-17 : Clause 4.3.5 Heavy elements	PASS

**** AS REQUESTED BY THE APPLICANT, PLEASE REFER TO THE FOLLOWING PAGE(S) FOR DETAILS****

Signed for and on behalf of
Guangdong Vantin Testing Co., Ltd.
Shantou Branch



Nancy

Nancy Wang
Toy Laboratory Manager



scan to see the report

Guangdong Vantin Testing Co., Ltd. Shantou Branch

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ASTM F963 - 17 Standard Consumer Safety Specification for Toy Safety

As specified in ASTM F963-17 Standard Consumer Safety Specification for Toys Safety.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	<u>Safety Requirements</u>	
4.1	Material Quality	Pass
4.2	Flammability Test	Pass Refer to Appendix 1 for details
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.2	Heavy Elements in Substrate Materials on the tested specimen(s)	Pass Refer to Appendix 2 for details
4.6	Small Objects	
4.6.3	Toys and games that are intended for use by children who at least three years old but less than six years old	Pass
4.7	Accessible Edges	
4.7.1	Accessible sharp edges of metal or glass	Pass
4.7.4	Edges on molded toys	Pass
4.8	Projections	Pass
4.9	Accessible Points	
4.9.1	Accessible Sharp Points	Pass
5.	<u>Safety Labeling Requirements</u>	Pass
6.	<u>Instructional Literature</u>	Pass
7.	<u>Producer's Markings</u>	
7.1	Producer's Markings	Pass
8.	<u>Test Method</u>	

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<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
8.5	Normal Use Testing	Pass
8.6	Abuse Test	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

Note:

- Only applicable clauses was/were shown.



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Appendix 1:

Flammability Test (Clause 4.2)

A5. Flammability Testing procedure for Solids and Soft Toys

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
<u>Elf tea set</u>	<u>DNI</u>	0.1
<u>Dinosaur dig</u>	<u>DNI</u>	0.1

Requirement

<u>Classification:</u>	<u>Acceptable Criteria</u>
Solid and Soft goods	DNI/ IBE Burning Rate ≤ 0.1 in/sec.

* The submitted sample(s) was/were tested, the above result only showed the most severe burn rate of the sample(s).

- DNI = Did Not Ignite
- IBE = Ignite But Self-Extinguished
- Ave. = Average



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Appendix 2:

ASTM F963-17 Standard Consumer Safety Specification for Toy Safety

▼ Heavy elements test - Total Lead content

Method: ASTM F963-17 Clause 8.3

The item(s) was/were analyzed by ICP-OES.

Toy substrate materials:

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	1	2	3		
Total Lead (Pb)	15	N.D.	N.D.	5	100

Specimen Description:

- 1 Red plastic
- 2 Transparent plastic
- 3 Green plastic

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- As per client's request, test conducted on specified materials.



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▼ Heavy elements test – Migration of certain elements

Method: ASTM F963-17 Clause 8.3

The item(s) was/were analyzed by ICP-OES.

Surface Coatings and Substrates Other than Modeling Clay Included as Part of a Toy:

Tested Item(s)	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	4	5	6		
Soluble Antimony (Sb)	N.D.	N.D.	N.D.	5	60
Soluble Arsenic (As)	N.D.	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	N.D.	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	N.D.	N.D.	N.D.	5	75
Soluble Chromium (Cr)	N.D.	N.D.	N.D.	2.5	60
Soluble Lead (Pb)	N.D.	N.D.	N.D.	5	90
Soluble Mercury (Hg)	N.D.	N.D.	N.D.	2.5	60
Soluble Selenium (Se)	N.D.	N.D.	N.D.	5	500

Specimen Description:

- 4 Red plastic
- 5 Transparent plastic
- 6 Green plastic

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Results shown of soluble elements are of adjusted analytical results by subtracting analytical Correction factor (excluding special soluble Cadmium result).
- Filter paper was used instead of 0.45µm membrane filter in lab testing.
- As per client's request, test conducted on specified materials.



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Sample Photo



Vantin Testing authenticate the photo on original report only

*** End of Report ***