

# **REV ROBOTICS LLC**

Technical Report: Date Received:	<b>(8825)072-0208(R1)</b> Mar 13, 2025		Apr 1, 2025 Page 1 of 7
REV ROBOTICS LLC 2941 Commodore Dr Suite	e 110, CARROLLTON TX 75007		
Sample Description:	T-REV DINO PLUSH TOY		
Vendor:	DONG GUAN ZHENG QI	Sample Size:	2PCS
	TOYS CO, LTD		
Manufacturer:	DONG GUAN ZHENG QI TOYS COLTD	Style No(s):	NOT PROVIDE
Labeled Age Grade:	NOT PRESENT	SKN/SKU No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	PO No.:	NOT PROVIDE
Client Specified Age	0+	Ref #:	NOT PROVIDE
Grade:			
Tested Age Grade:	ALL AGES	Country of Origin:	CHINA
UPC Code:	N/A	Assortment No.: Country of Destination:	NOT PROVIDE NOT PROVIDE
Test Starting Date:	MAR 13, 2025	Test Finished Date:	MAR 21, 2025

#### **EXECUTIVE SUMMARY:**

Test Requested	Conclusion
Mechanical hazards requirements of ASTM F963-23, "Standard consumer safety specification for toy safety".	PASS
Flammability requirement of solids under ASTM F963-23 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

Bui

Lisa Bai

Analytical lab technical ass. manager

#### RT/Daisy Cai REMARK

If there are questions or concerns on this report, please contact the following persons: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com Report Enquiry: **Business Contact:** (86) 0769 85893595

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BUREAU VERITAS SHENZHEN CO., LTD DONGGUAN BRANCH

Tone Tang Physics Lab Assistant Supervisor



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### EXECUTIVE SUMMARY:

Test Requested	Conclusion
Soluble heavy metals content in substrate requirements of ASTM F963-23, "Standard	PASS
Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).	

- Note: At the request of the client, the sample(s) was evaluated for use by children 0+.
- Note: At the request of the client, the ASTM F963-23 labeling requirement(s) was not evaluated 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).

## Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
1001	orange plush	body	-
1002	dark orange plush	corner,tail	-
1003	black fabric	clothes	-



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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 F963-23, "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.

### USE AND ABUSE TESTS

The samples were undergo the tests in accordance with section 8.6 through 8.16, whichever is applicable		
Test	Test Parameters	Standard Reference
Impact Test	10 x 4.5 ft	1500.51(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)
Seam Tension Test	15 lbs	1500.53(f) (ii)



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## **RESULTS:**

Section	Requirement	Result
4.1	Material Quality	М
4.3.7	Stuffing Materials	М
4.5	Sound-producing Toys	N/A
4.6	Small Objects	М
4.7	Accessible Edges	М
4.8	Projections	N/A
4.9	Accessible Points	М
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 4.25.9 Battery-powered ride-on toys & Section 4.25.10 Toys that Contain Secondary Cells or Secondary Batteries)	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-type Toys	М
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

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-23)

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



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# **RESULTS:**

# 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:**

#### Soluble Heavy Metals Content in Substrate -ASTM F963-23, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3))

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 50 30 60	60			
Analyte As Ba Cd Cr Hg Pb Sb Se Mass of Trace Amount Co	onclusion			
Test Item(s) Result (mg/kg) (g)				
Type I: Substrate other than modeling clay				
1001 ND ND ND ND ND ND ND -	PASS			
1002 ND ND ND ND ND ND ND -	PASS			

ND

ND

ND

ND

Note / key:

1003

As = Arsenic	Ba = Barium	Cd = Cadmium	
Hg = Mercury	Pb = Lead	Sb = Antimony	
ND = Not detected	g = gram(s)	% = percent	
mg/kg = milligram(s) per kilogram (ppm=parts per million)			

ND

Detection Limit (mg/kg) :

ND

ND

ND

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 F963-23. The lead content analysis result of corresponding material herein is for client's reference only.
- This report is to Supersede BV(Dong guan) report No. (8825)072-0208 dated on Mar 21, 2025.

PASS

Cr = Chromium Se = Selenium



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**RESULTS:** 



END OF REPORT