

Report No.: **168477836c 001**

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Client: **NINGBO PRINCE TOYS CO.,LTD.**

Contact Information: No.777 East Taoyuan Road,Guanhaiwei Town,Cixi City,Zhejiang,China.

Buyer's name: **LANDMARK**

Test item(s): Toys

Identification/
Model No(s): **BABY RIDE ON CAR
662/663**

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2024-04-03

Testing Period: 2024-04-09 to 2024-04-17

Place of testing: Chemical laboratory Shenzhen,Toys laboratory Shenzhen

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

(1) The provided age grade of the item(s) : For age of 18 - 36 months.
The appropriate age grade of the item(s) : For age of 18 - 36 months.
The item(s) was/ were tested for the age of 18 - 36 months.

(2) Packaging provided: Artwork

(3) Information provided by customer:
Country of Origin: China

(4) Sample Size: 2 styles

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



Candy He/
Lab. Supervisor

2024-04-22

Date

Name/Position



Tocker Jiang/
Project Engineer

2024-04-22

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Test Result Summary :***Test Specification:******Test result:***

1 ASTM F963-23: Mechanical and physical	PASS
2 Tracking label per CPSIA section 103 and ASTM F963-23 Section 5.1.2	PASS
3 ASTM F963-23: Flammability on solid and soft toys	PASS
4 ASTM F963-23 Section 4.25: Battery-operated Toys	PASS
5 16 C.F.R. 1303 (CPSIA Sect. 101), ASTM F963-23 Sect. 4.3.5.1 : Total lead content in paint and coating materials	PASS
6 15 USC 1278a (CPSIA Sect. 101), ASTM F963-23 Sect. 4.3.5.2 : Total lead content in substrate materials	PASS
7 ASTM F963-23 Sect. 4.3.5.1 and 4.3.5.2: Soluble heavy metal	PASS
8 CPSIA Section 108 as amended by 16 CFR 1307 and ASTM F963-23 cl.4.3.8: Phthalates	PASS

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Material List:

 Item: BABY RIDE ON CAR
 662/663

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	Baby ride on car
M002	Coating	Multicolor	Sticker (662, 663)
M003	Paper + adhesive	White	Sticker (662, 663)
M005	Coating	Black	J-shaped stick (662, 663)
M006	Plastic	Black	Seat, wheel, steering wheel, chassis, bucket (662, 663)
M007	Plastic	Black	Handle bar, fastener of arm (662)
M008	Plastic	Yellow	Body, wheel, arm (662, 663)
M009	Plastic	Red	Rotary knob, fastener of seat, button (662, 663)
M010	Plastic	Dark blue	Washer of nut (662, 663)
M011	Plastic + printing + paper + adhesive	Transparent/ black/ white	Sticker (663)
M012	Plastic	Dark grey	Handle bar (663)
M013	Plastic	Beige	Tool (663)
M014	Plastic	Light grey	Arm of digging bucket (662)
M015	Metal	Silvery	J-shaped stick (662, 663)
M016	Metal	Silvery blue	Screw, nut, bolt, alex (662, 663)
M017	Metal + plating	Silvery/ black	Screw (662, 663)
M019	Plastic + printing	Blue/ black	Wire jacket (662, 663)
M020	Plastic + printing	Red/ black	Wire jacket (662, 663)
M021	Plastic + printing	White/ black	Wire jacket (662, 663)
M022	Plastic	Black	Wire jacket (662, 663)
M026	PCB board	Translucent/ green	PCB of button (662, 663)
M027	PCB board	Translucent/ green/ black	Main PCB (with epoxy) (662, 663)
M028	PCB board	White/ green	PCB of speaker (662, 663)
M029	Plastic	Yellow/ dark blue	Body, wheel, arm, washer of nut (662, 663)
M030	Plastic + printing + paper + adhesive	Multicolor	Sticker (662, 663)

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M031	Plastic	Translucent/ black	Button, washer of screw (662, 663)
M032	Plastic	Green/ black/ transparent	Speaker

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1.ASTM F963-23: Mechanical and physical
Test result:

Test No:	T001
Material No:	M001
4. Safety requirements	
4.1 Material Quality (visual check)	Pass
4.5 Sound-producing Toys	Pass
4.6 Small Objects	Pass
4.7 Accessible Edges	Pass
4.8 Projections	Pass
4.9 Accessible Points	Pass
4.11 Nails and Fasteners	Pass
4.12 Plastic Film	Pass
4.15 Stability and Over-load Requirements	Pass
4.17 Wheels, Tires and Axles	Pass
4.18 Holes, Clearance and Accessibility of Mechanisms	Pass
5. Labeling Requirements	
5.2 Age Grading Labeling	Pass
5.3 Safety Labeling Requirements	Pass
5.8 Toys Intended to be Assembled By an Adult	Pass
5.15 Promotional Materials	Pass
6. Instructional Literature	
6.1 Definition and Description	Pass
6.4 Toys Intended to be Assembled By an Adult	Pass
7. Producer's Markings	
7.1 Name and address of the producer or the distributor	Pass

Use and Abuse Tests:

The submitted samples were undergone the use and abuse tests in accordance with FHSA 16 CFR and whichever is applicable the tested age grade.

According to the Laboratory Test Manual from CPSC, 12 submitted samples are equally divided for carrying out the use and abuse testing.

Age Category	Drop Test	Flexure Test	Torque Test	Tension Test	Compression Test
0-18 Months 16 CFR 1500.51	10 x 4.5 ft	120 Arc 30 Cycles 10 lbs	2 in-lbf	10 lbf	20 lbf
19-36 Months 16 CFR 1500.52	4 x 3 ft	120 Arc 30 Cycles 15 lbs	3 in-lbf	15 lbf	25 lbf
37-96 Months 16 CFR 1500.53	4 x 3 ft	120 Arc 30 Cycles 15 lbs	4 in-lbf	15 lbf	30 lbf

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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Remark:

The manufacturer/trader/applicant has provided the artwork for assessment in this test report.

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2.Tracking label per CPSIA section 103 and ASTM F963-23 Section 5.1.2**Test Result:**

Test No:	T001
Material No:	M001
Present On Packaging	Present
Present On Product	Present

Remark:

The manufacturer/trader/applicant has provided the artwork for assessment in this test report.

* If there is a tracking label on the product which is visible through disposable packaging, the packaging need not be marked.

** The correct adherence to all requirements according to CPSIA Tracking label in regards to the marking of:

- (1) Manufacturer or private labeler name;
 - (2) Location and date of production of the product;
 - (3) Detailed information on the manufacturing process, such as a batch or run number, or other identifying characteristics; and,
 - (4) Any other information to facilitate ascertaining the specific source of the product;
- can only be confirmed by the manufacturer/trader/applicant. The presence of related information was assessed; however, they cannot be verified in the frame of this test.

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3.ASTM F963-23: Flammability on solid and soft toys**Test result:**

Test No:	T001
Material No:	M001
4.2 Flammability on solids and soft toys	Pass

The burning rate of the most severe part = IBE

Note: Maximum permissible burning rate = 0.1 Inch/sec.

Abbreviation: IBE = Ignite But Self-extinguish

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4. ASTM F963-23 Section 4.25: Battery-operated Toys
Test result:

	T001
	M001
4.25 Battery-operated Toys	
4.25.1 Battery information	PASS
4.25.2 Maximum potential	PASS
4.25.4 Battery Accessibility	PASS
4.25.4.1 For toys intended for children less than 3 years old	PASS
4.25.4.2 For toys that utilize small batteries	PASS
4.25.4.3 Fastener for security of the battery compartment	PASS
4.25.5 Batteries types or capacities	PASS
4.25.6 Battery surface temperature	PASS
4.25.7 Temperature Requirements	PASS
6. Instructional Literature	
6.5 Battery-operated toys	PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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5.16 C.F.R. 1303 (CPSIA Sect. 101), ASTM F963-23 Sect. 4.3.5.1 : Total lead content in paint and coating materials

Test method: CPSC-CH-E1003-09.1 (Microwave method)

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M002 + M005	Lead Content	ppm	10	90	36

Abbreviation: < = less than
RL = Reporting Limit
ppm = parts per million

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6.15 USC 1278a (CPSIA Sect. 101), ASTM F963-23 Sect. 4.3.5.2 : Total lead content in substrate materials

Test method: CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 (Microwave method)

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M007 + M014	Lead Content	ppm	10	100	< RL
T002	M003 + M006 + M009	Lead Content	ppm	10	100	< RL
T003	M012 + M013 + M029	Lead Content	ppm	10	100	< RL
T004	M015 + M016 + M017	Lead Content	ppm	10	100	< RL
T005	M011	Lead Content	ppm	10	100	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 ppm = parts per million

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7.ASTM F963-23 Sect. 4.3.5.1 and 4.3.5.2: Soluble heavy metal

Test method: For paint and similar surface-coating materials: ASTM F963-23 Section 8.3.2 – 8.3.4
Method to Dissolve Soluble Matter for Surface Coatings, Preparation of Test Samples and Test Procedures
For substrate: ASTM F963-23 Section 8.3.5 Soluble Element Test Method for Substrate Materials

Test result:

Test No.	Material No.	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Mass of trace amount (mg)	
		Maximum Permissible Limit of Any Toy Materials except Modelling Clay (mg/kg)									
		60	25	1000	75	60	90	60	500		
		Maximum Permissible Limit of Modelling Clay (mg/kg)									
		60	25	250	50	25	90	25	500		
		RL (mg/kg)									
		5	5	2.5	2.5	2.5	2.5	2.5	10		
T001	M002	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T002	M003	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T003	M005	< RL	< RL	6.2	< RL	18.2	6.2	< RL	< RL	-	
T004	M006	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T005	M007	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T006	M008	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T007	M009	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T008	M010	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	34.5	
T009	M011	< RL	< RL	3.2	< RL	< RL	< RL	< RL	< RL	-	
T010	M012	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	
T011	M014	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	-	

Abbreviation: < = less than
RL = Reporting Limit
mg/kg = milligram per kilogram

Remark:

* Migration results of eight elements shown are the adjusted analytical results

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (in %)	60	60	30	30	30	30	50	60

** According to ASTM F963-23, if the weight of a test portion of toy material is less than 10 mg, the analysis of migration of certain elements would not be required. If the weight of a test portion of toy material is between 10 mg and 100 mg, the analytical results would be calculated as though 100mg of the test portion had been used.

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8. Phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Test Result:

Test No.				T001	T002	T003
Material No.				M006 + M009 + M012	M007 + M014	M013 + M029 + M030
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.01	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.01	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.01	< RL	< RL	< RL
Conclusion: ASTM F963-23 cl.4.3.8 and CPSIA Section 108 as amended by 16 CFR 1307				Pass	Pass	Pass

Test No.				T004	T005	T006
Material No.				M031 + M032 + M022	M019 + M020 + M021	M026 + M027 + M028
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.01	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.01	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.01	< RL	< RL	< RL
Conclusion: ASTM F963-23 cl.4.3.8 and CPSIA Section 108 as amended by 16 CFR 1307				Pass	Pass	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 % = percentage

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Remark:

- Requirement of ASTM F963-23 cl.4.3.8 and Consumer Product Safety Improvement Act 2008, section 108, as amended by 16 CFR 1307 is summarized below:

Parameter	Unit	Maximum Permissible Limit
Accessible plasticized components in children's toy or childcare article:		
Dibutyl phthalate (DBP), Benzylbutyl phthalate (BBP), Diethylhexyl phthalate (DEHP), Diisononyl phthalate (DINP), Diisobutyl Phthalate (DIBP), Di-n-pentyl Phthalate (DPENP) (DnPP), Di-n-hexyl Phthalate (DHEXP) (DnHP), Dicyclohexyl Phthalate (DCHP)	%	0.1 (each)

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Sample Photos



- END -

This GTCB is only used for TÜV Rheinland Business Stream Product
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