

Test Report

Number: SHAH01661398

Applicant: NINGBO FAMILY BABY PRODUCTS CO.,LTD.
#29,PUDI ROAD ,XIAPU INDUSTRIAL
ZONE , NINGBO,P.R.CHINA
Attn: YARINA

Date: 14 Mar, 2024

Sample Description:

One (1) set of submitted sample said to be :
Item Name : **KIDS TRICYCLE.**
Item No. : **T301B.**
Quantity : 1 Set.
Labelled Age Group : Not Specified.
Packaging Provided By Applicant : No.
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



Test Report

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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-17 Physical And Mechanical Tests	Pass
	U.S. ASTM F963-17 Flammability Test of Materials Other Than Textile Materials	Pass
	U.S. ASTM F963-23 Physical and Mechanical Tests.	Pass
Tested Component of Submitted Sample	U.S. ASTM F963-17 for total Lead content in non-surface coating materials	Pass
	U.S. ASTM F963-17 for total Lead content in surface coating	Pass
	U.S. ASTM F963-17 on soluble heavy elements test	Pass
	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass
Submitted Sample	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Pass
Tested Component of Submitted Sample	U.S. ASTM F963-23 for total Lead content in surface coating	Pass
	U.S. ASTM F963-23 for soluble elements content	Pass
	ASTM F963-23 section 4.3.8 on Phthalates content	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



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Tests Conducted

1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: For ages from 18 to 60 months

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: -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact Test	Section 1500.53(b)	4 x 3.0 ft
Tip over Test	Section 1500.53(b)	3 times
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality	P
4.5	Sound-Producing Toys	NA
4.6.1	Toys Intended for Children under 36 Months (Small Objects)	P
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys And Games for 36 Months to 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	P
4.9	Accessible Points	P
4.10	Wires Or Rods	NA
4.11	Nails And Fasteners	P
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	P
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles	P
4.18	Holes, Clearance, and Accessibility of Mechanisms	P
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



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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	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	Labelling Requirement	P
6	Instructional Literature	P
7	Producer's Markings	
	- Name of Producer/Distributor (Toy/ Package)	Yes
	- Address (Toy / Package)	Yes

Remark: The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass

NA = Not Applicable

Artwork of packaging was provided for testing.

Date Sample Received: 26 Feb, 2024 & 12 Mar, 2024

Testing Period: 26 Feb, 2024 To 12 Mar, 2024

To be continued



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Tests Conducted

2 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification On Toy Safety F963-17.

Result = Ignited But Self-Extinguished before Burn Rate Could be Determined

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 28 Feb, 2024

To be continued



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Tests Conducted

3 Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: For ages from 18 to 60 months

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:		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact Test	Section 1500.53(b)	4 x 3.0 ft
Tip over test	---	3 times
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf
The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.		

Section	Requirement	Result
4.1	Material Quality (Visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (Small objects)	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for children at least 36 months but less than 72 months (Small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	P
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	P
4.18	Holes, clearance, and accessibility of mechanisms	P
4.19	Simulated protective devices (such as helmets, hats and goggles)	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



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Section	Requirement	Result
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
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo 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	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	
7.1	Name of producer/distributor	Yes
	Address	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Abbreviation: P = Pass NA= Not Applicable

Artwork of packaging was provided for testing.

Date Sample Received: 26 Feb, 2024 & 12 Mar, 2024

Testing Period: 26 Feb, 2024 To 12 Mar, 2024

To be continued



Test Report

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Tests Conducted

4 Total Lead (Pb) Content for Non-surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm					Reproting Limit (ppm)	Limit (ppm)
	(5)	(6+7)	(8+9+10)	(11+12+13))	(14+15+16)		
Lead(Pb)	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm			Reproting Limit (ppm)	Limit (ppm)
	(17)	(23+24+25)	(26)		
Lead(Pb)	ND	ND	ND	10	100

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

Tested Components: See component list in the last section of this report.

Remark: As Requested By Client, The Test Components (17) Silver metal(frame).was Not Conducted In This Report. Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 06 Mar, 2024

To be continued



Test Report

Number: SHAH01661398

Tests Conducted

5 Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm			Reproting Limit	Limit
	(1+19)	(2+3+4)	(20+21+22)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	20	90

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

Tested Components: See component list in the last section of this report.

Remark: As Requested By Client, The Test Components (1) Black coating on metal (bell \frame body). (19) White coating on metal (logo).was Not Conducted In This Report. Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 06 Mar, 2024

To be continued

Test Report

Number: SHAH01661398

Tests Conducted

6 Soluble Heavy Metal Elements Analysis

As per section 4.3.5.1(2) and 8.3.2 / 4.3.5.2(2)(b) and 8.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)					Reporting Limit	Limit
	(1)	(2)	(3)	(4)	(5)to(16)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	224#	46.9#	174.3#	11.2#	<5	5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	2.5	25

Test Item	Result (mg/kg)					Reporting Limit	Limit
	(19)	(20)	(21)	(22)	(23)to(26)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	40.6#	16.1#	11.2#	10.5#	<5	5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	2.5	25

Remark: Sol. = Soluble

= The results were adjusted by subtracting analytical correction factor.

The sample weight in bracket(s) was / were for soluble heavy elements analysis only.

Tested components: See component list in the last section of this report

Remark: As Requested By Client, The Test Components (1) Black coating on metal (bell /frame body). (5) Black foam (tire).EVA (6) Black soft plastic (handlebar).TPR (8) Black plastic(bell/pedal/bike basket/wheel/ bike stem button/bike stem/loop). Pp (10) Ivory plastic (wheel). (19) White coating on metal (logo).was Not Conducted In This Report. Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 06 Mar, 2024

To be continued

Test Report

Number: SHAH01661398

Tests Conducted

7 Total Lead (Pb) Content for Non-surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm					Reproting Limit (ppm)	Limit (ppm)
	(5)	(6+7)	(8+9+10)	(11+12+13))	(14+15+16))		
Lead(Pb)	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm			Reproting Limit (ppm)	Limit (ppm)
	(17)	(23+24+25)	(26)		
Lead(Pb)	ND	ND	ND	10	100

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

Tested Components: See component list in the last section of this report.

Remark: As Requested By Client, The Test Components (17) Silver metal(frame).was Not Conducted In This Report.
Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 06 Mar, 2024

To be continued

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Number: SHAH01661398

Tests Conducted

8 Flammability Test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 28 Feb, 2024

To be continued



Test Report

Number: SHAH01661398

Tests Conducted

9 Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm			Reproting Limit	Limit
	(1+19)	(2+3+4)	(20+21+22)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	20	90

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

Tested Components: See component list in the last section of this report.

Remark: As Requested By Client, The Test Components (1) Black coating on metal (bell \frame body). (19) White coating on metal (logo).was Not Conducted In This Report. Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 06 Mar, 2024

To be continued



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Tests Conducted

10 Soluble Elements Analysis (ASTM F963-23)

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)					Reporting Limit	Limit
	(1)	(2)	(3)	(4)	(5)to(16)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	224#	46.9#	174.3#	11.2#	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2.5	25

Test Item	Result (mg/kg)					Reporting Limit	Limit
	(9)	(20)	(21)	(22)	(23)to(26)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	40.6#	16.1#	11.2#	10.5#	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2.5	25

Remark: mg/kg = milligram per kilogram =ppm
Sol. = Soluble
ND= Not detected (Less than reporting limit)
= The analytical results were adjusted by subtracting analytical correction factor.

Tested components: See component list in the last section of this report.

Remark: As Requested By Client, The Test Components (1) Black coating on metal (bell /frame body). (5) Black foam (tire).EVA (6) Black soft plastic (handlebar).TPR (8) Black plastic(bell/pedal/bike basket/wheel/ bike stem button/bike stem/loop). Pp (10) Ivory plastic (wheel). (19) White coating on metal (logo).was Not Conducted In This Report. Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 06 Mar, 2024

To be continued

Test Report

Number: SHAH01661398

Tests Conducted

11 Phthalates Content (ASTM F963-23)

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)						Detection Limit (%)	Limit (%) (Max.)
	(1 +1 9)	(2 +3 +4)	(5)	(6 +7)	(8 +9 +1 0)	(11 +1 2+ 13)		
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	0.01	0.1

Test item	Result (%)						Detection Limit (%)	Limit (%) (Max.)
	(14 +15 +16)	(18)	(20 +21 +22)	(26)	(23 +24 +25)			
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND		0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND		0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND		0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND		0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND		0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND		0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND		0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND		0.01	0.1

Remark: ND = Not Detected(Less than detection limit)

Tested Components: See component list in the last section of this report.

Remark: As Requested By Client, The Test Components (1) Black coating on metal (bell \frame body). (18) White adhesive paper with multi-color printing (sticker). (19) White coating on metal (logo).was Not Conducted In This Report. Client Claimed These Components Have Been Tested In Our Test Report SHAH01637646 Dated 2024.1.26

Date Sample Received: 26 Feb, 2024

Testing Period: 26 Feb, 2024 To 05 Mar, 2024

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Components:

Refer to:

- | | |
|---|-----------------|
| (1) Black coating on metal (bell \frame body). | SHAH01637646-1 |
| (2) Pink coating on metal (body). | |
| (3) Blue coating on metal (body). | |
| (4) Cream color coating on metal (body). | |
| (5) Black foam (tire). | SHAH01637646-19 |
| (6) Black soft plastic (handlebar). | SHAH01637646-9 |
| (7) Brown soft plastic (handlebar). | |
| (8) Black plastic(bell/pedal/bike basket/wheel/ bike stem button/bike stem/loop). | SHAH01637646-5 |
| (9) Beige plastic(rotary knob on pedal). | |
| (10) Ivory plastic (wheel). | SHAH01637646-3 |
| (11) Pink plastic(wheel/splash guard). | |
| (12) Blue plastic(wheel/splash guard). | |
| (13) Brown plastic(bike stem). | |
| (14) Light brown plastic(bike stem button). | |
| (15) Brown plastic(wheel). | |
| (16) Cream color plastic(splash guard/wheel). | |
| (17) Silver metal(frame). | SHAH01637646-25 |
| (18) White adhesive paper with multi-color printing (sticker). | SHAH01637646-24 |
| (19) White coating on metal (logo). | SHAH01637646-2 |
| (20) Light orange coating on metal (body). | |
| (21) Dark grey coating on metal (body). | |
| (22) Green coating on metal (body). | |
| (23) Light orange plastic(wheel/splash guard). | |
| (24) Dark grey plastic(wheel/splash guard). | |
| (25) Green plastic(wheel/splash guard). | |
| (26) Green soft plastic (handlebar). | |

End of report

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