



# TEST REPORT

**Prepared for:**

**STORES AU PTY LTD**

**9 GRACE ST SCARBOROUGH WA 6019 AUSTRALIA**

**Product Name: 12" BALANCE BIKE**

**Model No.: TC-57**

**Trade Mark: LITTLE NATION**

**Date of Test: From November 16, 2023 to November 20, 2023**

**Date of Report: November 20, 2023**

**Report Number: HK23111413331-1RR**

**Prepared by:**

**Shenzhen HUAK Testing Technology Co., LTD.**

**1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street,  
Bao'an District, Shenzhen, Guangdong, China**

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**Applicant:** STORES AU PTY LTD  
**Address:** 9 GRACE ST SCARBOROUGH WA 6019 AUSTRALIA  
**Manufacturer:** XINGTAI ZHONGZHOU BICYCLE CO., LTD  
**Address:** FENG VILLAGE INDUSTRIAL ZONE NO.83, GUANGZONG TOWN, XINGTAI CITY, HEBEI PROVINCE, CHINA

**The following sample was submitted and identified by/on behalf of the client as:**

Product Name: 12" BALANCE BIKE  
Model No.: TC-57  
Trade Mark: LITTLE NATION  
Tested Age Grade: 18 months+  
Labeled Age Grading: 18 months+  
Appropriate Age Grade: 18 months+  
Sample Receiving Date: November 16, 2023  
Testing Period: From November 16, 2023 to November 20, 2023  
Results: Please refer to next page(s).

\*\*\*\*\*  
Signed for and on behalf of HUAK

Approved by: Jason Huu  
Lab Manager

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**Information of the Test Laboratory**

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

CPSC Certification Number is 1710.

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**Summary of Test Results:****TEST REQUEST****CONCLUSION**

A Australia/New Zealand Standard on Safety of Toys

1. AS/NZS ISO 8124 -1: 2023- Safety aspects related to mechanical and physical properties

PASS

2. AS/NZS ISO 8124 -2: 2023- Flammability

PASS

3. AS/NZS ISO 8124 -3: 2021- Migration of certain elements

PASS

B Australia CCA 2010 DEHP Content

PASS

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**Results:****A.1 AS/NZS ISO 8124 -1: 2023- Safety aspects related to mechanical and physical properties**

| Applicable Section    | Description  | Result |
|-----------------------|--|--------|
| <b>4 Requirements</b> |  |        |
| 4.1                   | General  | Pass   |
| 4.2                   | Reasonably foreseeable abuse                                 | Pass   |
| 4.3                   | Material   | Pass   |
| 4.4                   | Small parts  |        |
| 4.4.1                 | For children under 36 months                                 | Pass   |
| 4.4.2                 | For children 36 months and over but under 72 months          | Pass   |
| 4.5                   | Shape, size and strength of certain toys                     | NA     |
| 4.6                   | Edges  | Pass   |
| 4.7                   | Points   | Pass   |
| 4.8                   | Projections  | Pass   |
| 4.9                   | Metal wires and rods   | Pass   |
| 4.10                  | Plastic film or plastic bags in packaging and in toys        | NA     |
| 4.11                  | Cords  | NA     |
| 4.12                  | Folding mechanisms   | NA     |
| 4.13                  | Holes, clearances and accessibility of mechanisms            | Pass   |
| 4.14                  | Springs  | NA     |
| 4.15                  | Stability and overload requirements                          | Pass   |
| 4.16                  | Enclosures   | NA     |
| 4.17                  | Items that cover the face and simulated protective equipment | NA     |
| 4.18                  | Projectile toys  | NA     |
| 4.19                  | Flying toys  | NA     |
| 4.20                  | Aquatic toys   | NA     |
| 4.21                  | Braking  | NA     |
| 4.22                  | Toy bicycles   | Pass   |
| 4.23                  | Speed limitation of electrically driven ride-on toys         | NA     |
| 4.24                  | Toys containing a heat source                                | NA     |
| 4.25                  | Liquid-filled toys   | NA     |
| 4.26                  | Mouth-actuated toys  | NA     |
| 4.27                  | Toy roller skates, toy inline skates and toy skateboards     | NA     |

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| Applicable Section | Description   | Result |
|--------------------|---|--------|
| 4.28               | Percussion caps specifically designed for use in toys                           | NA     |
| 4.29               | Acoustic requirements   | NA     |
| 4.30               | Toy scooters  | NA     |
| 4.31               | Magnets and magnetic components   | NA     |
| 4.31.1             | General   |        |
| 4.31.2             | Magnetic or electrical experimental sets intended for children 8 years and over | NA     |
| 4.31.3             | All other toys with magnets and magnetic components                             | NA     |
| 4.32               | Yo-yo balls   | NA     |
| 4.33               | Straps intended to be worn fully or partially around the neck                   | NA     |
| 4.34               | Sledges and toboggans with cords for pulling                                    | NA     |
| 4.35               | Jaw entrapment in handles and steering wheels                                   | Pass   |
| 4.36               | Assembly  | Pass   |
| 4.37               | Functional toys   | NA     |
| 4.38               | Toys intended to come into contact with food                                    | NA     |
| 4.39               | Inflatable toys   | NA     |

**Annex B. Safety labeling guidelines and manufacturer's markings**

|        |   |      |
|--------|---|------|
| B.1    | General   | Pass |
| B.2    | Safety-labeling guidelines  |      |
| B.2.1  | Good practice for visibility and legibility   | Pass |
| B.2.2  | Age grading   | Pass |
| B.2.3  | Toys that are small parts, toys containing small parts and toys with removable small parts components | Pass |
| B.2.4  | Balloons  | NA   |
| B.2.5  | Small balls and marbles   | NA   |
| B.2.6  | Aquatic toys  | NA   |
| B.2.7  | Toys intended to come into contact with food  | NA   |
| B.2.8  | Toy intended to be assembled by an adult  | Pass |
| B.2.9  | Toys intended to be strung across a cradle, cot, perambulator or carriage                             | NA   |
| B.2.10 | Simulated protective equipment  | NA   |
| B.2.11 | Toys with functional sharp edges and functional sharp points  | NA   |
| B.2.12 | Functional toys   | NA   |
| B.2.13 | Toy roller skates, toy inline skates and toy skateboards  | NA   |
| B.2.14 | Toy kites   | NA   |

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| Applicable Section | Description   | Result |
|--------------------|---|--------|
| B.2.15             | Toy bicycles  | Pass   |
| B.2.16             | Percussion caps   | NA     |
| B.2.17             | Toys which produce high peak sound pressure levels  | NA     |
| B.2.18             | Toy scooters  | NA     |
| B.2.19             | Magnetic or electrical experimental sets for children 8 years and over  | NA     |
| B.2.20             | Toys with electrical cables exceeding 300 mm in length  | NA     |
| B.2.21             | Cords in toys intended for children 18 months and over but under 36 months  | NA     |
| B.2.22             | Sledges and toboggans with cords for pulling  | NA     |
| B.2.23             | Toys intended to be attached to a cradle, cot, perambulator or carriage or intended to be suspended over a cot from a wall or ceiling | NA     |
| B.2.24             | Flying toys   | NA     |
| B.3                | Instructional literature  |        |
| B.3.1              | Information and instructions  | Pass   |
| B.3.2              | Crib and playpen toys and mobiles   | NA     |
| B.3.3              | Crib gyms and similar toys  | NA     |
| B.3.4              | Toy chests  | NA     |
| B.3.5              | Liquid-filled teetherers and liquid-filled teething toys  | NA     |
| B.3.6              | Toys intended to be assembled by an adult   | NA     |
| B.3.7              | Projectile toys   | NA     |
| B.3.8              | Toy bicycles  | Pass   |
| B.3.9              | Toy scooters  | NA     |
| B.3.10             | Remote-controlled flying toys   | NA     |
| B.4                | Manufacturer's markings   | Pass   |

## Note:

- NA = Not Applicable
- NC = Not conducted (According to customer requirement, no evaluation of this clause)

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**A.2 AS/NZS ISO 8124 -2: 2023- Flammability**

| Applicable Section | Description   | Result |
|--------------------|---|--------|
| 4                  | Requirements  |        |
| 4.1                | General   | NA     |
| 4.2                | Toys to be worn on the head   | NA     |
| 4.3                | Toy disguise costumes and toys intended to be worn by a child in play | NA     |
| 4.4                | Toys intended to be entered by a child                                | NA     |
| 4.5                | Soft-filled toys  | NA     |

Note:

- NA = Not Applicable

\*\*\*\*\*

**Tested part(s):**

| Seq. no | Part(s) name   |
|---------|----------------|
| 1       | Orange coating |

**A.3 AS/NZS ISO 8124 -3: 2021- Migration of Certain Elements****(1) Total Lead Content**

**Test method:** With reference to ASTM F963-17 Section 8.3, sample was digested with acid mixture and analyzed by inductively coupled plasma atomic emission spectrometer(ICP-AES).

| Item              | Unit  | MDL | Results     | Limit |
|-------------------|-------|-----|-------------|-------|
|                   |       |     | (1)         |       |
| Lead Content (Pb) | mg/kg | 2   | N.D.        | 100   |
| <b>Conclusion</b> | /     | /   | <b>Pass</b> | /     |

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## (2) Soluble Heavy Metals Content

**Test method:** With reference standard to AS/NZS ISO 8124 -3: 2021, The heavy metals content was determined by inductively coupled plasma atomic emission spectrometer (ICP-AES).

| Element           | Unit  | MDL | Results     |  | Limit |
|-------------------|-------|-----|-------------|--|-------|
|                   |       |     | (1)         |  |       |
| Antimony (Sb)     | mg/kg | 2   | N.D.        |  | 60    |
| Arsenic (As)      | mg/kg | 2   | N.D.        |  | 25    |
| Barium (Ba)       | mg/kg | 2   | 347         |  | 1000  |
| Cadmium (Cd)      | mg/kg | 2   | N.D.        |  | 75    |
| Chromium (Cr)     | mg/kg | 2   | N.D.        |  | 60    |
| Lead (Pb)         | mg/kg | 2   | N.D.        |  | 90    |
| Mercury (Hg)      | mg/kg | 2   | N.D.        |  | 60    |
| Selenium (Se)     | mg/kg | 2   | N.D.        |  | 500   |
| <b>Conclusion</b> | /     | /   | <b>Pass</b> |  | /     |

**Remark:**

Maximum acceptable element migration from toy materials

| Toy material   | Element (mg/kg) |    |      |    |    |    |    |     |
|--|-----------------|----|------|----|----|----|----|-----|
|  | Sb              | As | Ba   | Cd | Cr | Pb | Hg | Se  |
| Any toy material given in Clause 1, except modelling clay and finger paint | 60              | 25 | 1000 | 75 | 60 | 90 | 60 | 500 |
| Modelling clay   | 60              | 25 | 250  | 50 | 25 | 90 | 25 | 500 |
| Finger paint   | 10              | 10 | 350  | 15 | 25 | 25 | 10 | 50  |

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**B. Australia CCA 2010 DEHP Content**

**Test method:** With reference to CPSC-CH-C1001-09.4, by sol vent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

| Item                                | Unit | MDL  | Results     | Limit(Each) |
|-------------------------------------|------|------|-------------|-------------|
|                                     |      |      | (1)         |             |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | %    | 0.01 | N.D.        | 1           |
| <b>Conclusion</b>                   | /    | /    | <b>Pass</b> | /           |

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- 0.1% = 1000mg/kg = 1000ppm.
- NA- = Not Regulated
- Theselectionoftestportionsisstronglyrecommendedbytheclientandtheconclusionofchemicaltestis only for the selected portion.

\*\*\*\*\*

**\*\* Modified History \*\***

| Revision     | Description                 | Issued Data | Remark     |
|--------------|-----------------------------|-------------|------------|
| Revision 1.0 | Initial Test Report Release | 2023/11/20  | Jason Zhou |
|              |                             |             |            |
|              |                             |             |            |

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## Photograph of Sample



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**\*\*\* End of Report \*\*\***

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