



DONGGUAN JOLLYBABY PRODUCTS CO., LTD

Technical Report: (8820)230-0117

Aug 24, 2020

Date Received: Aug 17, 2020

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DONGGUAN JOLLYBABY PRODUCTS CO., LTD
HENGJIANG INDUSTRIAL PARK, CHASHAN TOWN,
DONGGUAN CITY, GUANG DONG PROVINCE, CHINA

| | | | |
|-----------------------------|--|---------------------|--------------|
| Sample Description: | JP007009B1918NB NOSE AND EARS | | |
| Vendor: | N/A | Sample Size: | 4 |
| Manufacturer: | JOLLYBABY CULTURE SCIENCE AND TECHNOLOGY (GUANGDONG) CO., LTD. | 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 Grade: | 0M+ | Ref #: | NOT PROVIDE |
| Tested Age Grade: | ALL AGES | Country of Origin: | NOT PROVIDE |
| UPC Code: | N/A | Assortment No.: | NOT PROVIDE |
| Test Starting Date: | AUG 17, 2020 | Test Finished Date: | AUG 24, 2020 |

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018 clauses 1-6 (before and after washing).
- The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2011+A1: 2014(before and after washing).
- The migration of certain elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2019.

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Harvey Xue
Manager, Analytical Lab



BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Xuechao Li
Supervisor, Toys Lab

RT/ Aurora Fang

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com

Business Contact: (86) 0769 85893595

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EXECUTIVE SUMMARY:

- Note: At the request of the client, the sample(s) was evaluated for use by children 0M+.
- Note: At the request of the client, the EN 71 Pt.1-2014+A1:2018: clause 7 labeling requirement(s) was not evaluated for this submission.
- Note: At the request of the client, EN71-1: 2014+A1:2018 the Clause 6 about packaging requirement(s) was waived for this submission.
- Note: The sample does not contain any cleaning instruction. However, according to the Toy Safety Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. To fulfill this requirement, surface washing instruction is recommended

Tested Component(s) Description List:

| Test Item(s) | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|--|--------------|----------|
| I001 | White thread / translucence white plastic | Button | - |
| I002 | Green thread / multi color printed white fabric | Book | - |
| I003 | Purple thread/ multi color printed white fabric | Book | - |
| I004 | Blue thread / multi color printed white fabric | Book | - |
| I005 | Yellow thread / multi color printed white fabric | Book | - |
| I006 | Pink thread / multi color printed white fabric | Book | - |
| I007 | Red thread / multi color printed white fabric | Book | - |
| I008 | Blue green fabric | Connect belt | - |
| I009 | Green fabric | Belt | - |
| I010 | White fabric | Sewn label | - |



RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

| | |
|--|---|
| <p>The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2014+A1:2018, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee CEN/TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).</p> | |
| 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. |

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6

| Symbol | Explanation | | | | |
|--------|---|--------|--------------------|--------|---------------------|
| NM | The sample(s) DOES NOT MEET the requirement of this Subclause | | | | |
| M | The sample(s) MEET the requirement of this Subclause | | | | |
| N/A | Not Applicable | | | | |
| NR | Not Requested | | | | |
| NE | Not Evaluated | | | | |
| NP | None Present | | | | |
| NT | Not Tested | | | | |
| P | Present | | | | |
| R | Refer to Comment Section of this report | | | | |
| Symbol | Language Present | Symbol | Language Present | Symbol | Language Present |
| B | Belgian language | G | German language | PR | Portuguese language |
| D | Danish language | GR | Greek language | S | Spanish language |
| E | English language | H | Dutch language | SD | Swedish language |
| F | Finnish language | I | Italian language | SZ | Swiss language |
| FR | French language | N | Norwegian language | | |



RESULTS:

**MECHANICAL & PHYSICAL PROPERTIES
(EN 71: PART 1 – 2014+A1 – 2018)**

| Subclause | Requirement | Result |
|---|--|--------|
| 4.1 | Material cleanliness | M |
| 4.2 | Assembly | NA |
| 4.3 | Flexible plastic sheeting | NA |
| 4.4 | Toy Bags | NA |
| 4.5 | Glass | NA |
| 4.6 | Expanding materials | NA |
| 4.7 & 7.6 | Edges | M |
| 4.8 & 7.6 | Points and metallic wires | M |
| 4.8e | Splinters | M |
| 4.9 | Protruding parts | NA |
| 4.10.1 | Folding and sliding mechanisms | NA |
| 4.10.2 | Driving mechanisms | NA |
| 4.10.3 | Hinges | NA |
| 4.10.4 | Springs | NA |
| 4.11 | Mouth actuated toys and other toys intended to be put in the mouth | NA |
| 4.12 & 7.3 | Balloons | NA |
| 4.13 & 7.9 | Cord of toy kites and other flying toys | NA |
| 4.14.1 | Toys which a child can enter | NA |
| 4.14.2 & 7.8 | Masks and helmets | NA |
| 4.15.1 | Toys propelled by child | |
| 4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16 | Toys propelled by child – Instructions for use | NA |
| 4.15.1.3 | Toys propelled by child – Strength | NA |
| 4.15.1.4 | Toys propelled by child – Stability | NA |
| 4.15.1.5 | Toys propelled by child – Braking | NA |
| 4.15.1.6 | Toys propelled by child - Transmission | NA |
| 4.15.1.7 | Toys propelled by child – insertion mark | NA |
| 4.15.1.8 | Electrically-driven ride-on toys | NA |
| 4.15.2 | Toy bicycles | |
| 4.15.2.2 & 7.15 | Toy bicycles – Warnings and instructions for use | NA |
| 4.15.2.3 | Toy bicycles – Braking | NA |
| 4.15.3 & 7.16 & 7.19 | Rocking horses and similar toys | NA |
| 4.15.4 & 7.16 | Toys not propelled by child | NA |
| 4.15.5 & 7.18 | Toy scooters | NA |



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RESULTS:

| Subclause | Requirement | Result |
|---|---|--------|
| 4.16 | Heavy immobile toys | NA |
| 4.17.2 | All projectiles | NA |
| 4.17.3 & 7.7 | Projectile toys with stored energy | NA |
| 4.17.4 & 7.26 | Certain projectiles toys without stored energy | NA |
| 4.18 & 7.4 | Aquatic toys and inflatable toys | NA |
| 4.19 & 7.13 & 7.14 | Percussion caps | NA |
| 4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14 | Acoustics | M |
| *4.20.2.5 | Acoustics– Toys using headphones or earphones | NA |
| 4.21 | Toys containing a non-electrical heat source | NA |
| 4.22 & 7.2 | Small balls | NA |
| 4.23 | Magnet | |
| 4.23.2 a, b & c | Toy other than magnetic / electrical experimental sets intended for children over 8 years | NA |
| 4.23.3 & 7.20 | Magnetic / electrical experimental sets intended for children over 8 years | NA |
| 4.24 | Yo-yo ball | NA |
| 4.25 | Toys attached to food | NA |
| 4.26 | Toy Disguise Costumes | NA |
| 4.27.1 | Flying toys – General | NA |
| 4.27.2 & 7.25.1 | Rotors and propellers on flying toys | NA |
| 4.27.3 & 7.25.2 | Rotors and propellers on remote controlled flying toys | NA |
| FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS | | |
| 5.1 | General | M |
| 5.1a | Small parts – as received | M |
| 5.1b | Small parts, sharp points, sharp edges – after tests | M |
| 5.1c | Cross section <2mm metal points & wires | NA |
| 5.1e | Toys contain glue | NA |
| 5.1f | Casing of toys | M |
| 5.2 | Fillings, coverings and seams | M |
| 5.3 | Adhesion of plastic sheeting | NA |
| 5.4.2 | Cords and chains in toys intended for children under 18 months | M |



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RESULTS:

| Subclause | Requirement | Result |
|---------------------------------------|---|--------|
| 5.4.3 & 7.22 | Cords and chains in toys intended for children of 18 months or over but under 36 months | M |
| 5.4.4 | Fixed loops, tangled loops and nooses | NA |
| 5.4.5 | Cords and chains on pull along toys | NA |
| 5.4.6 & 7.21 | Electrical cables | NA |
| 5.4.7 | Cross-sectional dimension of certain cords | NA |
| 5.4.8 | Self-retracting cords | NA |
| 5.4.9 & 7.11 & 7.23 | Toys attached to or intended to be strung across a cradle, cot or perambulator | NA |
| 5.5 & 7.12 | Liquid filled toys | NA |
| 5.6 | Electrically driven toys | NA |
| 5.7 | Glass and porcelain | NA |
| 5.8 | Shape and size | M |
| 5.9 & 7.17 | Monofilament fibres | NA |
| 5.10 | Small balls | NA |
| 5.11 | Play figures | NA |
| 5.12 | Hemispheric shaped toys | NA |
| 5.13 | Suction cups | NA |
| 5.14 | Straps intended to be worn fully or partially around the neck | NA |
| 5.15 & 7.24 | Sledges with cords for pulling | NA |
| 6 | Packaging | NT |
| WARNINGS, INSTRUCTIONS FOR USE | | |
| 7.1 | General | NA |
| 7.2 | Toys not intended for children under 36 months | NA |
| 7.5 | Functional toys | NA |

2009/48/EC General Labeling Requirement

| Requirement | Result |
|---|--------|
| CE Mark | NT |
| Manufacturer/ Importer name and address | NT |
| Product Identification | NT |

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



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RESULTS:

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

| Sub-clause | Test Method | Sub-clause | Test Method | Sub-clause | Test Method | Sub-clause | Test Method |
|------------|---|------------|---|------------|--|------------|---|
| 4.3 | 8.25.1 | 4.15.1.5 | 8.26.1 | 4.22 | 8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32 | 5.4.5 | 8.40 |
| 4.5 | 8.5, 8.7, 8.11, 8.12 | 4.15.1.8 | 8.29 | 4.23 | 8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35 | 5.4.6 | 8.40 |
| 4.6 | 8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14 | 4.15.2.4 | 8.26.2 | 4.24 | 8.37 | 5.4.7 | 8.20 |
| 4.7 | 8.11 | 4.15.3 | 8.21, 8.23.1 | 4.25 | 8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1 | 5.7.8 | 8.39 |
| 4.8 | 8.12, 8.13 | 4.15.4 | 8.21, 8.23.1 | 4.26 | 8.38 | 5.5 | 8.15 |
| 4.9 | 8.4.2.3, 8.11, 8.12 | 4.15.5 | 8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27 | 4.27.1 | 8.43 | 5.6 | 8.29 |
| 4.10.1 | 8.18.2, 8.18.3 | 4.16 | 8.23.2 | 4.27.2 | 8.4.2.6 | 5.8 | 8.16 |
| 4.10.2 | 8.5, 8.6, 8.7, 8.11, 8.12 | 4.17.1 | 8.3, 8.4.2.1, 8.7, 8.8, 8.42 | 4.27.3 | 8.4.2.6 | 5.10 | 8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32 |
| 4.11 | 8.2, 8.3, 8.4.2.1, 8.9, 8.17 | 4.17.2 | 8.3, 8.4.2.4, 8.7, 8.8, 8.32.1, 8.43, 8.44 | 5.1 | 8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12 | 5.11 | 8.33 |
| 4.13 | 8.19 | 4.17.3 | 8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42 | 5.3 | 8.4.2.1, 8.25 | 5.12 | 8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, |
| 4.14.1 | 8.31.1, 8.31.2 | 4.17.4 | 8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42 | 5.4.1 | 8.40 | 5.13 | 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32 |
| 4.14.2 | 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12 | 4.18 | 8.2, 8.3, 8.4.2.1 | 5.4.2 | 8.38, 8.40, 8.41 | 5.14 | 8.38 |
| 4.15.1.3 | 8.11, 8.12, 8.21, 8.22 | 4.20 | 8.28 | 5.4.3 | 8.38, 8.40, 8.41 | 6 | 8.3, 8.4.2.1, 8.25.1, 8.32.1 |
| 4.15.1.4 | 8.23.1 | 4.21 | 8.30 | 5.4.4 | 8.36, 8.38 | | |



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RESULTS:

FLAMMABILITY (EN 71 PART 2: 2011+A1: 2014)

| Subclause | Requirement | Result |
|-----------|---|--------|
| 4.1 | Cellulose nitrate | NP |
| 4.1 | Surface flash on a piled surface | NA |
| *4.1 | Flammable gases | NA |
| *4.1 | Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels | NA |
| 4.2 | Toys to be worn on the head | NA |
| 4.3 | Toy disguise costumes and toys intended to be worn by child in play | NA |
| 4.3 | warning on product and packaging (10 - 30 mm/s) | NA |
| 4.4 | Toys intended to be entered by a child | NA |
| 4.4 | warning on product and packaging (10 – 30 mm/s) | NA |
| 4.5 | Soft-filled toys | M |

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

| Sub-clause | Test Method | Sub-clause | Test Method | Sub-clause | Test Method | Sub-clause | Test Method |
|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| 4.2.2 | 5.2 | 4.2.4 | 5.3 | 4.3 | 5.4 | 4.5 | 5.5 |
| 4.2.3 | 5.3 | 4.2.5 | 5.4 | 4.4 | 5.4 | - | - |

* Note: Subclause indicated with * are not accredited.



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RESULTS:

Migration of Certain Elements –European Standard EN 71 Part 3: 2019

Test Method: European Standard EN 71 Part 3: 2019, Section 9.

Class: Category III - Scraped off toy material

| Analyte | Requirement (mg/kg) | Result (mg/kg) | | | | |
|-----------------------------|---------------------|----------------|----------|----------|----------|----------|
| | | Test Item(s) | | | | |
| | Category III | I001 | I002 | I003 | I004 | I005 |
| Aluminium (Al) | 70000 | 3 | 3 | 2 | 2 | 7 |
| Arsenic (As) | 47 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Boron (B) | 15000 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Barium (Ba) | 18750 | 3 | LT 2 | LT 2 | LT 2 | 3 |
| Cadmium (Cd) | 17 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Cobalt (Co) | 130 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Chromium III (Cr III) | 460 | LT 0.053 | LT 0.053 | LT 0.053 | LT 0.053 | LT 0.053 |
| Chromium VI (Cr VI) | 0.053 | | | | | |
| Copper (Cu) | 7700 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Mercury (Hg) | 94 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Manganese (Mn) | 15000 | LT 2 | 2 | LT 2 | 2 | 2 |
| Nickel (Ni) | 930 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Lead (Pb) | 23 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Antimony (Sb) | 560 | LT 2 | 2 | LT 2 | LT 2 | LT 2 |
| Selenium (Se) | 460 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Tin (Sn) | 180000 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Organic tin | 12 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Strontium (Sr) | 56000 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Zinc (Zn) | 46000 | LT 2 | LT 2 | LT 2 | LT 2 | 2 |
| Mass of trace amount (gram) | | - | - | - | - | - |
| Conclusion | | PASS | PASS | PASS | PASS | PASS |



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RESULTS:

| Analyte | Requirement (mg/kg) | Result (mg/kg) | | | | |
|-----------------------------|---------------------|----------------|----------|----------|----------|----------|
| | | Test Item(s) | | | | |
| | Category III | I006 | I007 | I008 | I009 | I010 |
| Aluminium (Al) | 70000 | 3 | LT 2 | LT 2 | 4 | 4 |
| Arsenic (As) | 47 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Boron (B) | 15000 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Barium (Ba) | 18750 | LT 2 | LT 2 | LT 2 | 2 | LT 2 |
| Cadmium (Cd) | 17 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Cobalt (Co) | 130 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Chromium III (Cr III) | 460 | LT 0.053 | LT 0.053 | LT 0.053 | LT 0.053 | LT 0.053 |
| Chromium VI (Cr VI) | 0.053 | | | | | |
| Copper (Cu) | 7700 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Mercury (Hg) | 94 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Manganese (Mn) | 15000 | LT 2 | LT 2 | LT 2 | 2 | 2 |
| Nickel (Ni) | 930 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Lead (Pb) | 23 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Antimony (Sb) | 560 | LT 2 | 3 | LT 2 | LT 2 | 3 |
| Selenium (Se) | 460 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Tin (Sn) | 180000 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Organic tin | 12 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Strontium (Sr) | 56000 | LT 2 | LT 2 | LT 2 | LT 2 | LT 2 |
| Zinc (Zn) | 46000 | LT 2 | LT 2 | 2 | LT 2 | LT 2 |
| Mass of trace amount (gram) | | - | - | - | - | - |
| Conclusion | | PASS | PASS | PASS | PASS | PASS |

mg/kg = milligrams per kilogram (ppm=parts per million)

LT = Less Than

Organic tin = migration of total organic tin is expressed as tributyl tin cation content in mg/kg

= Verified results (see note)

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN71 part 3:2019, Annex F by Ion-chromatography with UV/VIS detector analysis.
- Organic tin: EN71 part 3:2019, Annex G by Gas Chromatography – Mass Spectroscopy analysis.

RESULTS:



END OF REPORT