



# Test Report

Report No.: CTT180533186EN

Date: May. 19, 2018

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**Applicant:** GOYA IMPORTACIONES Y DISTRIBUCIONES S.L

**Address:** PLATAFORMA LOGISTICA DE ZARAGOZA C/TRAPANI 27 EDIFICIO 50197 SPAIN

The following merchandise was (were) submitted and identified by Applicant as:

|                                 |                                |   |    |
|---------------------------------|--------------------------------|---|----|
| <b>Sample Name:</b>             | ROPE                           |   |    |
| <b>Sample Model:</b>            | 38052                          |   |    |
| <b>Packaging Provided:</b>      | No                             |   |    |
| <b>Labelled Age Group:</b>      | /                              | <b>Tested Age Grading:</b>                      | 0+ |
| <b>Appropriate Age Grading:</b> | 0+                             | <b>Applicant's Specified Testing Age Group:</b> | 0+ |
| <b>Sample Received Date:</b>    | May. 16, 2018                  |   |    |
| <b>Test Period:</b>             | May. 16, 2018 to May. 19, 2018 |   |    |

**Test Result(s):** Please refer to next page(s).

Signed for and on Behalf of CTT



Frank / Lab supervisor

Consumer Testing Technology Co., Ltd.

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**Test Requested and Conclusion(s):**

| No. | Test Sample                           | Standard and Requirement  | Conclusion(s) |
|-----|---------------------------------------|---|---------------|
| 1   | Tested materials of submitted samples | Client's requirements on Total Cadmium (Cd)   | PASS          |
| 2   | Tested materials of submitted samples | Annex XVII items 43 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009<br>- Azo colorants and Azo dyes | PASS          |
| 3   | Tested materials of submitted samples | EN 71-3:2013+A2:2017<br>- Migration of certain elements (Category III)  | PASS          |
| 4   | Submitted sample                      | EN 71-1:2014, European Standard for "Safety of toys"<br>- Physical and Mechanical Properties (Excluding Section 7.1)      | PASS          |
| 5   | Submitted sample                      | EN 71-2:2011+A1:2014, European Standard for "Safety of toys"<br>- Flammability  | PASS          |

**Test Result(s):**

Total Cadmium (Cd)<sup>n</sup>

Method:

Metal – With reference to CPSC-CH-E1001-08.3

Nonmetal – With reference to CPSC-CH-E1002-08.3

Surface coating – With reference to CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

| Material No. | Client's Limit (mg/kg) | Result (mg/kg) | Conclusion |
|--------------|------------------------|----------------|------------|
| 1            | 150                    | N.D.           | PASS       |

- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (<RL).
  3. RL (Reporting Limit) = 2 mg/kg.

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**Test Result(s):**

Azocolourants and Azodyes

Method: With reference to EN ISO 14362-1:2017 and EN ISO 14362-3:2017, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS)/ High Performance Liquid Chromatograph (HPLC-DAD).

| No.               | Substances Name  | CAS No.  | Limit (mg/kg) | Result (mg/kg) |      |
|-------------------|--|----------|---------------|----------------|------|
|                   |  |          |               | 2              | 3    |
| 1                 | biphenyl-4-ylamine/ 4-aminodiphenyl/ xenylamine                                  | 92-67-1  | 30            | N.D.           | N.D. |
| 2                 | benzidine  | 92-87-5  | 30            | N.D.           | N.D. |
| 3                 | 4-chloro-o-toluidine   | 95-69-2  | 30            | N.D.           | N.D. |
| 4                 | 2-naphthylamine  | 91-59-8  | 30            | N.D.           | N.D. |
| 5△                | o-aminoazotoluene/ 4-o-tolylazo-o-toluidine/<br>4-amino-2', 3-dimethylazobenzene | 97-56-3  | 30            | N.D.           | N.D. |
| 6△                | 2-amino-4-nitrotoluene/ 5-nitro-o-toluidine                                      | 99-55-8  | 30            | N.D.           | N.D. |
| 7                 | 4-chloroaniline  | 106-47-8 | 30            | N.D.           | N.D. |
| 8                 | 4-methoxy-m-phenylenediamine   | 615-05-4 | 30            | N.D.           | N.D. |
| 9                 | 4,4'-methylenedianiline/<br>4,4'-diaminodiphenylmethane                          | 101-77-9 | 30            | N.D.           | N.D. |
| 10                | 3,3'-dichlorobenzidine/<br>3,3'-dichlorobiphenyl-4,4'-ylenediamine               | 91-94-1  | 30            | N.D.           | N.D. |
| 11                | 3,3'-dimethoxybenzidine/ o-dianisidine   | 119-90-4 | 30            | N.D.           | N.D. |
| 12                | 3,3'-dimethylbenzidine/ 4,4'-bi-o-toluidine                                      | 119-93-7 | 30            | N.D.           | N.D. |
| 13                | 4,4'-methylenedi-o-toluidine   | 838-88-0 | 30            | N.D.           | N.D. |
| 14                | 6-methoxy-m-toluidine/ p-cresidine   | 120-71-8 | 30            | N.D.           | N.D. |
| 15                | 4,4'-methylene-bis-(2-chloroaniline)/<br>2,2'-dichloro-4,4'-methylene-dianiline  | 101-14-4 | 30            | N.D.           | N.D. |
| 16                | 4,4'-oxydianiline  | 101-80-4 | 30            | N.D.           | N.D. |
| 17                | 4,4'-thiodianiline   | 139-65-1 | 30            | N.D.           | N.D. |
| 18                | o-toluidine/ 2-aminotoluene  | 95-53-4  | 30            | N.D.           | N.D. |
| 19                | 4-methyl-m-phenylenediamine/ 2,4-toluylendiamine                                 | 95-80-7  | 30            | N.D.           | N.D. |
| 20                | 2,4,5-trimethylaniline   | 137-17-7 | 30            | N.D.           | N.D. |
| 21                | o-anisidine / 2-methoxyaniline   | 90-04-0  | 30            | N.D.           | N.D. |
| 22◇               | 4-aminoazobenzene  | 60-09-3  | 30            | N.D.           | N.D. |
| <b>Conclusion</b> |  |          |               | PASS           | PASS |

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- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL (Reporting Limit) = 5 mg/kg.
  4. "△" = The CAS No. 97-56-3 (No.5) and 99-55-8 (No.6) are further reduced to CAS No.95-53-4 (No.18) and 95-80-7(No.19).
  5. "◇" = Azo colorants that are able to form 4-aminoazobenzene(No.22), generate under the condition of this method aniline and 1, 4-phenylenediamine, therefore, the method of EN ISO 14362-3:2017 was employed to verify the 4-aminoazobenzene.

Migration of Certain Elements (General Elements) - EN71-3 (Category III)

Method: With reference to EN 71-3:2013+A2:2017 Annex E & F, analyzed by Inductively Coupled Plasma Optical Emission spectroscopy (ICP-OES) and Ion Chromatograph Ultraviolet spectroscopy (IC-UV).

| Substance                         | RL (mg/kg) | Limit (mg/kg) | Result (mg/kg) |      |
|-----------------------------------|------------|---------------|----------------|------|
|                                   |            |               | 1              | 2    |
| Aluminium (Al)                    | 5          | 70000         | 11             | 17   |
| Antimony (Sb)                     | 5          | 560           | N.D.           | N.D. |
| Arsenic (As)                      | 2.5        | 47            | N.D.           | N.D. |
| Barium (Ba)                       | 5          | 18750         | N.D.           | N.D. |
| Boron (B)                         | 5          | 15000         | N.D.           | N.D. |
| Cadmium (Cd)                      | 5          | 17            | N.D.           | N.D. |
| Chromium(III) (Cr <sup>3+</sup> ) | 2.0        | 460           | N.D.           | N.D. |
| Chromium(VI) (Cr <sup>6+</sup> )  | 0.15       | 0.2           | N.D.           | N.D. |
| Cobalt (Co)                       | 5          | 130           | N.D.           | N.D. |
| Copper (Cu)                       | 5          | 7700          | 11             | 12   |
| Lead (Pb)                         | 5          | 160           | N.D.           | N.D. |
| Manganese (Mn)                    | 5          | 15000         | 72             | N.D. |
| Mercury (Hg)                      | 5          | 94            | N.D.           | N.D. |
| Nickel (Ni)                       | 5          | 930           | N.D.           | N.D. |
| Selenium (Se)                     | 5          | 460           | N.D.           | N.D. |
| Strontium (Sr)                    | 5          | 56000         | N.D.           | N.D. |
| Tin (Sn)                          | 2.5        | 180000        | N.D.           | N.D. |
| Zinc (Zn)                         | 5          | 46000         | 13             | 19   |
| <b>Conclusion(s)</b>              |            |               | PASS           | PASS |

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- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL = Reporting Limit.

Migration of Certain Elements (Organic Tin) - EN71-3 (Category III)

Method: With reference to EN 71-3:2013+A2:2017 Annex G, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

| Substance                  | RL (mg/kg) | Limit (mg/kg) | Result (mg/kg) ☆ |      |
|----------------------------|------------|---------------|------------------|------|
|                            |            |               | 1                | 2    |
| Methyl Tin(MeT)            | 0.2        | --            | N.D.             | N.D. |
| Butyl Tin(BuT)             | 0.2        | --            | N.D.             | N.D. |
| Dibutyl Tin(DBT)           | 0.2        | --            | N.D.             | N.D. |
| Tributyl Tin(TBT)          | 0.2        | --            | N.D.             | N.D. |
| Tetrabutyl Tin(TeBT)       | 0.2        | --            | N.D.             | N.D. |
| Monooctyl Tin(MOT)         | 0.2        | --            | N.D.             | N.D. |
| Diocetyl Tin(DOT)          | 0.2        | --            | N.D.             | N.D. |
| Dipropyl Tin(DProT)        | 0.2        | --            | N.D.             | N.D. |
| Diphenyl Tin(DPhT)         | 0.2        | --            | N.D.             | N.D. |
| Triphenyl Tin(TPhT)        | 0.2        | --            | N.D.             | N.D. |
| <b>Sum of Organic Tins</b> |            | 12            | N.D.             | N.D. |
| <b>Conclusion(s)</b>       |            |               | PASS             | PASS |

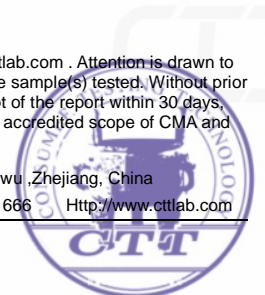
- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. "—" = Not Applicable.
  3. N.D. = Not Detected (< RL).
  4. RL = Reporting Limit.
  5. "☆" = The migration of organic tin is expressed as tributyltin.

**Test Material List:**

The following materials apply only to the samples submitted for chemical testing

| Material No. | Description                         | Location         | Remark |
|--------------|-------------------------------------|------------------|--------|
| 1            | Beige wood with transparent varnish | Handle           | --     |
| 2            | Blue/red/white synthetic fiber      | Rope outer layer | --     |
| 3            | Green/red/white synthetic fiber     | Rope outer layer | --     |

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**Test Result(s):**

Mechanical and Physical Test - EN 71-1:2014

| Section | Testing Items  | Assessment          |
|---------|--|---------------------|
|         |  | Rope entirety (red) |
| 4       | General requirements   | PASS                |
| 4.1     | Material cleanliness   | PASS                |
| 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     | Edges  | PASS                |
| 4.8     | Points and metallic wires  | PASS                |
| 4.9     | Protruding parts   | NA                  |
| 4.10    | Parts moving against each other  | NA                  |
| 4.11    | Mouth-actuated toys and other toys intended to be put in the mouth                   | NA                  |
| 4.12    | Balloons   | NA                  |
| 4.13    | Cords of toy kites and other flying toys   | NA                  |
| 4.14    | Enclosures   | NA                  |
| 4.15    | Toys intended to bear the mass of a child  | NA                  |
| 4.16    | Heavy immobile toys  | NA                  |
| 4.17    | Projectiles  | NA                  |
| 4.18    | Aquatic toys and inflatable toys   | NA                  |
| 4.19    | Percussion caps specifically designed for use in toys and toys using percussion caps | NA                  |
| 4.20    | Acoustics  | NA                  |
| 4.21    | Toys containing a non-electrical heat source   | NA                  |
| 4.22    | Small balls  | NA                  |
| 4.23    | Magnets  | NA                  |
| 4.24    | Yo-yo balls  | NA                  |
| 4.25    | Toys attached to food  | NA                  |
| 5       | Toys intended for children under 36 months   |                     |
| 5.1     | General requirements:  | NA                  |

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|      |   |     |
|------|---|-----|
| 5.2  | Soft-filled toys and soft-filled parts of toy                                   | NA  |
| 5.3  | Plastic sheeting  | NA  |
| 5.4  | Cords, chains and electrical cables in toys                                     | NA  |
| 5.5  | Liquid-filled toys  | NA  |
| 5.6  | Speed limitation of electrically-driven ride-on toys                            | NA  |
| 5.7  | Glass and porcelain   | NA  |
| 5.8  | Shape and size of certain toys  | NA  |
| 5.9  | Toys comprising monofilament fibers   | 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  |
| 6    | Packaging   | NA  |
| 7    | Warnings, markings and instructions for use                                     |     |
| 7.1  | General   | NR* |
| 7.2  | Toys not intended for children under 36 months                                  | NA  |
| 7.3  | Latex balloons  | NA  |
| 7.4  | Aquatic toys  | NA  |
| 7.5  | Functional toys   | NA  |
| 7.6  | Hazardous sharp functional edges and points                                     | NA  |
| 7.7  | Projectiles   | NA  |
| 7.8  | Imitation protective masks and helmets  | NA  |
| 7.9  | Toy kites   | NA  |
| 7.10 | Roller skates, inline skates, skateboards and certain other ride-on toys        | NA  |
| 7.11 | Toys intended to be attached to or strung across a cradle, cot, or perambulator | NA  |
| 7.12 | Liquids-filled teethingers  | NA  |
| 7.13 | Percussion caps specifically designed for use in toys                           | NA  |
| 7.14 | Acoustics   | NA  |
| 7.15 | Toy bicycles  | NA  |

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|      |   |    |
|------|---|----|
| 7.16 | Toys intended to bear the mass of a child   | NA |
| 7.17 | Toys comprising monofilament fibres   | NA |
| 7.18 | Toy scooters  | NA |
| 7.19 | Rocking horses and similar toys   | NA |
| 7.20 | Magnetic/electrical experimental sets   | NA |
| 7.21 | Toys with electrical cables exceeding 300mm in length                                     | NA |
| 7.22 | Toys with cords or chains intended for children of 18 months and over but under 36 months | NA |

- Note:**
1. NA = Not Applicable.
  2. "" = Per client's requirement, the packaging was not evaluated.

**Remark:** Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- All the above markings were not present.

The submitted samples were undergone the use and abuse tests in accordance with the EN 71-1:2014.

| Testing Items | Parameter       |
|---------------|-----------------|
| Torque test   | 0.34Nm          |
| Tension test  | 90N             |
| Drop test     | 5 × 850mm       |
| Impact test   | 1 × 1Kg × 100mm |

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**Test Result(s):**

Flammability - EN 71-2:2011+A1:2014

| Section | Testing Items   | Assessment          |
|---------|---|---------------------|
|         |   | Rope entirety (red) |
| 4.1     | General requirements  | PASS                |
| 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:** 1. NA = Not Applicable.

**Photo of Sample:**



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

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