

# TEST REPORT

**Applicant** : Jinjianfeng Group Pinghu Children Tricycle Co.,Ltd

**Address** : North of Babycar Road,Xincang Town,Pinghu  
City,ZheJiang.China

**Sample description** : Electric ride on toy

**Item no.** : TR2502, TR2502(6V)

**Manufacturer** : Jinjianfeng Group Pinghu Children Tricycle Co.,Ltd

**Country of origin** : China

**Country of destination** : EU, UK

**Age requested on application form** : 18M+

**Labeled age grade** : 18M+ Years

**Age grade applied in testing** : 18M+

**Sample received date** : 27 - Apr - 2025

**Further information date** : 21 - May - 2025

**Turn around time** : 29 - Apr - 2025 to 21 - May - 2025

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

| TEST REQUESTED                          | TEST METHOD/REGULATION                                                                                                   | RESULT |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------|
| Physical and Mechanical Hazards         | EN 71 Part 1:2014+A1:2018                                                                                                | Pass   |
| Labeling Requirement                    | Directive 2009/48/EC                                                                                                     | Pass   |
| Flammability of Toys                    | EN71 Part 2:2020                                                                                                         | Pass   |
| Migration of Certain Elements           | EN 71 Part 3:2019+A1:2021                                                                                                | Pass   |
| Migration of Certain Elements           | EN 71 Part 3:2019+A2:2024                                                                                                | Pass   |
| Physical and Mechanical Hazards         | BS EN 71 Part 1:2014+A1:2018                                                                                             | Pass   |
| Labeling Requirement for United Kingdom | The Toys (Safety) Regulations 2011 and The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 | Pass   |
| Flammability of Toys                    | BS EN 71 Part 2:2020                                                                                                     | Pass   |
| Migration of Certain Elements           | BS EN 71 Part 3:2019+A1:2021                                                                                             | Pass   |
| Total Lead Content                      | REACH Annex XVII, Entry 63                                                                                               | Pass   |
| Total Cadmium Content                   | REACH Annex XVII, Entry 23                                                                                               | Pass   |
| Phthalates content                      | REACH Annex XVII, Entry 51 & 52                                                                                          | Pass   |

*Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Hangzhou) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will apply it in accordance with ILAC G8:09/2019-(binary statement for simple acceptance rule). If you happen to have any comments, please do it by sending email to [info.hz@cpt.eurofinscn.com](mailto:info.hz@cpt.eurofinscn.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Hangzhou) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint.hz@cpt.eurofinscn.com](mailto:chinacomplaint.hz@cpt.eurofinscn.com) and referring to this report number.*

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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

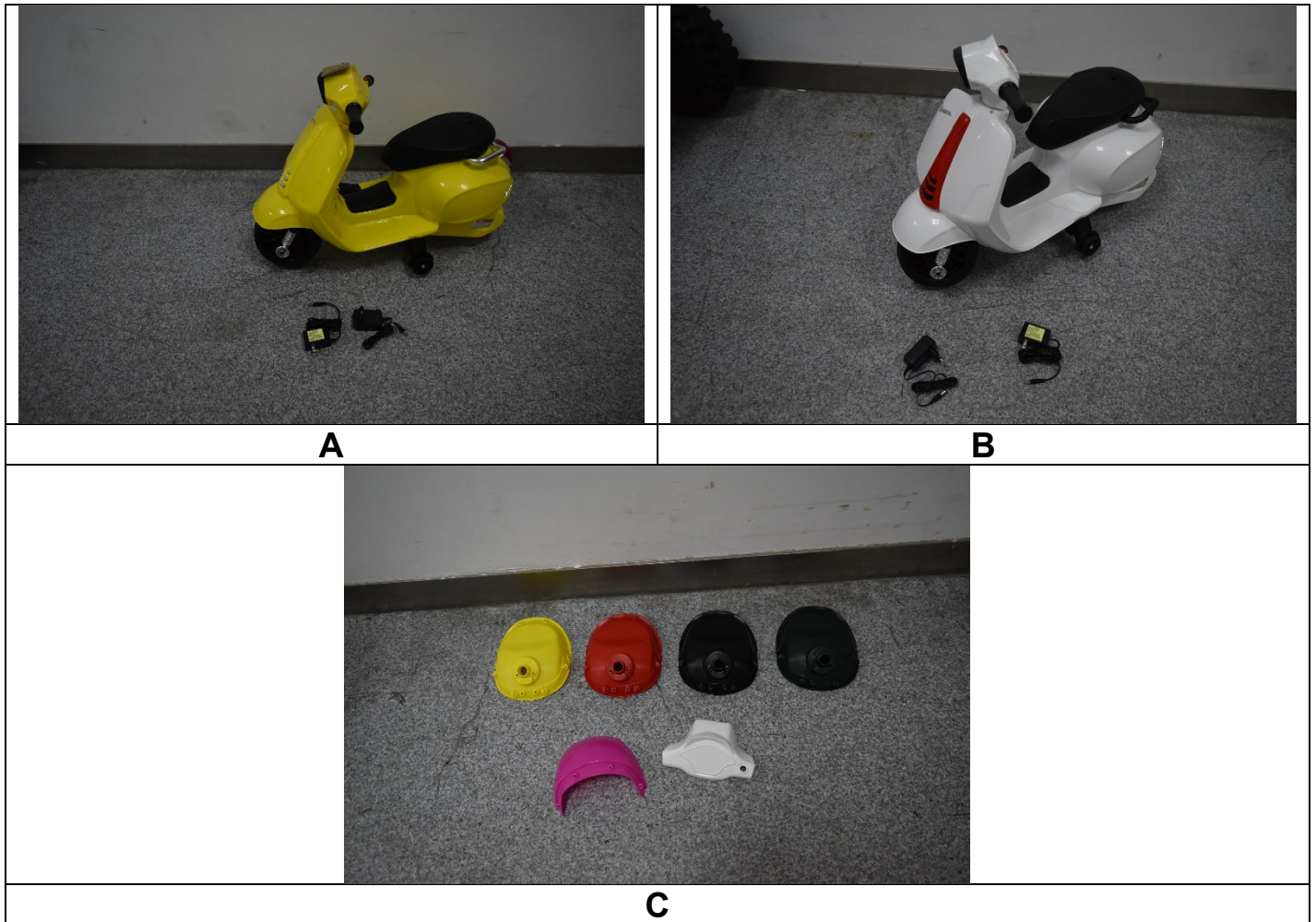
Signed for and on behalf of  
Eurofins Product Testing Service (Hangzhou) Co., Ltd

*Sara Liu*

Sara Liu  
Quality Manager



## SAMPLE PHOTO(S)



**EFHZ25045547-CG-02**

\*\*\*TO BE CONTINUED\*\*\*

## REFERENCE SAMPLE PHOTO(S)



\*\*\*TO BE CONTINUED\*\*\*



The reference samples have not been tested in current report, but according to customer's request, the pictures have also been included. For sample tested in current report, please refer to "Sample photo".

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

| Component No. | Component                                | Quote From         | Sample No. |
|---------------|------------------------------------------|--------------------|------------|
| 1             | Black coating on metal                   | EFHZ25045540-CG-02 | A,B        |
| 2             | Yellow plastic body                      | /                  | A,C        |
| 3             | Black plastic (on body)                  | EFHZ25045540-CG-02 | A,B        |
| 4             | Red transparent plastic lamp             | /                  | A          |
| 5             | Black plastic big wheel                  | EFHZ25045540-CG-02 | A,B        |
| 6             | White plastic body                       | /                  | B,C        |
| 7             | Dark red transparent plastic lamp        | /                  | B          |
| 8             | Red plastic                              | EFHZ25045540-CG-02 | C          |
| 9             | Rose red plastic                         | /                  | C          |
| 10            | Dark green plastic                       | /                  | C          |
| 11            | Bright black plastic                     | EFHZ25045540-CG-02 | C          |
| 12            | Black soft plastic handle                | /                  | A,B        |
| 13            | Yellow soft plastic wire sheath (inside) | EFHZ25045540-CG-02 | A,B        |
| 14            | Black soft plastic wire sheath (inside)  | EFHZ25045540-CG-02 | A,B        |
| 15            | Red soft plastic wire sheath (inside)    | /                  | A,B        |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Physical and Mechanical Hazards

Test Request: As specified in European Standard on Safety of Toys EN 71 Part 1:2014+A1 :2018  
Test Sample: A,B

| Section  | Description                                                                          | Result |
|----------|--------------------------------------------------------------------------------------|--------|
| 4        | General requirements                                                                 |        |
| 4.1      | Material cleanliness (by visual assessment)                                          | P      |
| 4.2      | Assembly                                                                             | P      |
| 4.3      | Flexible plastic sheeting                                                            | N/A    |
| 4.4      | Toy Bags                                                                             | N/A    |
| 4.5      | Glass                                                                                | N/A    |
| 4.6      | Expanding Materials                                                                  | N/A    |
| 4.7      | Edges                                                                                | P      |
| 4.8      | Points and Metallic Wires                                                            | P      |
| 4.9      | Protruding parts                                                                     | P      |
| 4.10     | Parts moving against each other                                                      | P      |
| 4.10.1   | Folding and sliding mechanisms                                                       | N/A    |
| 4.10.2   | Driving mechanisms.                                                                  | P      |
| 4.10.3   | Hinges                                                                               | N/A    |
| 4.10.4   | Springs                                                                              | N/A    |
| 4.11     | Mouth-actuated toys and other toys intended to be put in the mouth                   | N/A    |
| 4.12     | Balloons                                                                             | N/A    |
| 4.13     | Cords of toy kites and other flying toys.                                            | N/A    |
| 4.14     | Enclosures                                                                           | N/A    |
| 4.14.1   | Toys which a child can enter                                                         | N/A    |
| 4.14.2   | Masks and helmets                                                                    | N/A    |
| 4.15     | Toys intended to bear the mass of a child                                            | P      |
| 4.15.1   | Toys propelled by the child or by other means                                        | P      |
| 4.15.2   | Toy bicycles                                                                         | N/A    |
| 4.15.3   | Rocking horses and similar toys                                                      | N/A    |
| 4.15.4   | Toys not propelled by a child                                                        | N/A    |
| 4.15.5   | Toys scooters                                                                        | N/A    |
| 4.16     | Heavy immobile toys                                                                  | N/A    |
| 4.17     | Projectiles                                                                          | N/A    |
| 4.17.1   | General                                                                              | N/A    |
| 4.17.2   | All projectiles                                                                      | N/A    |
| 4.17.3   | Projectile toy with stored energy                                                    | N/A    |
| 4.17.4   | Certain projectile toys without stored energy                                        | N/A    |
| 4.18     | Aquatic toys and inflatable toys                                                     | N/A    |
| 4.19     | Percussion caps specifically designed for use in toys and toys using percussion caps | N/A    |
| 4.20     | Acoustics                                                                            | P      |
| 4.20.2.1 | General                                                                              | P      |
| 4.20.2.2 | Close-to-the-ear toys                                                                | N/A    |
| 4.20.2.3 | Table-top or floor toys                                                              | P      |
| 4.20.2.4 | Hand-held toys                                                                       | N/A    |
| 4.20.2.5 | Toys using headphones or earphones                                                   | N/A    |
| 4.20.2.6 | Rattles                                                                              | N/A    |
| 4.20.2.7 | Squeeze toys                                                                         | N/A    |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Section   | Description                                                              | Result |
|-----------|--------------------------------------------------------------------------|--------|
| 4.20.2.8  | Pull-along or push toys                                                  | N/A    |
| 4.20.2.9  | Percussion toys                                                          | N/A    |
| 4.20.2.10 | Wind toys                                                                | N/A    |
| 4.20.2.11 | Cap-firing toys                                                          | N/A    |
| 4.20.2.12 | Voice toys                                                               | N/A    |
| 4.21      | Toys containing a non-electrical heat source                             | N/A    |
| 4.22      | Small balls                                                              | N/A    |
| 4.23      | Magnets                                                                  | N/A    |
| 4.24      | Yo-yo balls                                                              | N/A    |
| 4.25      | Toys attached to food                                                    | N/A    |
| 4.26      | Toy disguise costumes                                                    | N/A    |
| 4.27      | Flying toys                                                              | N/A    |
| 4.27.1    | General                                                                  | N/A    |
| 4.27.2    | Rotors and propellers on flying toys                                     | N/A    |
| 4.27.3    | Rotors and propellers on remote controlled flying toys                   | N/A    |
| 5         | Toys intended for children under 36 months                               |        |
| 5.1       | General requirements                                                     | P      |
| 5.2       | Soft-filled toys and soft-filled parts of a toy                          | N/A    |
| 5.3       | Plastic sheeting                                                         | N/A    |
| 5.4       | Cords, chains and electrical cables in toys                              | N/A    |
| 5.5       | Liquid-filled toys                                                       | N/A    |
| 5.6       | Speed limitation of electrically-driven ride-on toys                     | N/A    |
| 5.7       | Glass and porcelain                                                      | N/A    |
| 5.8       | Shape and size of certain toys                                           | N/A    |
| 5.9       | Toys comprising monofilament fibres                                      | N/A    |
| 5.10      | Small balls                                                              | N/A    |
| 5.11      | Play figures                                                             | N/A    |
| 5.12      | Hemispheric-shaped toys                                                  | N/A    |
| 5.13      | Suction cups                                                             | N/A    |
| 5.14      | Straps intended to be worn fully or partially around the neck            | N/A    |
| 5.15      | Sledges with cords for pulling                                           | N/A    |
| 6         | Packaging                                                                | N/A    |
| 7         | Warnings, markings and instructions for use                              |        |
| 7.1       | General                                                                  | P      |
| 7.2       | Toys not intended for children under 36 months                           | N/A    |
| 7.3       | Latex Balloons                                                           | N/A    |
| 7.4       | Aquatic toys                                                             | N/A    |
| 7.5       | Functional Toys                                                          | N/A    |
| 7.6       | Hazardous sharp functional edges and points                              | N/A    |
| 7.7       | Projectiles toys                                                         | N/A    |
| 7.8       | Imitation protective masks and helmets                                   | N/A    |
| 7.9       | Toy kites                                                                | N/A    |
| 7.10      | Roller skates, inline skates, skateboards and certain other ride-on toys | P      |
| 7.11      | Toys intended to be strung across a cradle, cot, or perambulator         | N/A    |
| 7.12      | Liquid-filled teethingers                                                | N/A    |
| 7.13      | Percussion caps specifically designed for use in toys                    | N/A    |
| 7.14      | Acoustics                                                                | N/A    |
| 7.15      | Toys bicycles                                                            | N/A    |
| 7.16      | Toys intended to bear the mass of a child                                | N/A    |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Section | Description                                                                               | Result |
|---------|-------------------------------------------------------------------------------------------|--------|
| 7.17    | Toys comprising monofilament fibres                                                       | N/A    |
| 7.18    | Toy scooters                                                                              | N/A    |
| 7.19    | Rocking horses and similar toys                                                           | N/A    |
| 7.20    | Magnetic/electrical experimental sets                                                     | N/A    |
| 7.21    | Toy with electrical cables exceeding 300mm in length                                      | N/A    |
| 7.22    | Toys with cords or chains intended for children of 18 months and over but under 36 months | N/A    |
| 7.23    | Toys intended to be attached to a cradle, cot or perambulator                             | N/A    |
| 7.24    | Sledges with cords for pulling                                                            | N/A    |
| 7.25    | Flying toys                                                                               | N/A    |
| 7.25.1  | Flying toys                                                                               | N/A    |
| 7.25.2  | Remote controlled flying toys                                                             | N/A    |
| 7.26    | Improvised projectiles                                                                    | N/A    |

**Remark:**

P - Pass

N/A - Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Labeling Requirement

Test Request: Labeling requirement including Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification as specified in Directive 2009/48/EC  
- Safety of toys

Test Sample: A,B

| Labeling Content              | Observation Result                                 | Location  | Conclusion |
|-------------------------------|----------------------------------------------------|-----------|------------|
| Washing/Cleaning Instruction  | Not Applicable                                     | /         | /          |
| CE Mark                       | Present, Correct form, CE marking (height >5.0 mm) | Packaging | Pass       |
| Importer's Name & Address     | Present                                            | Product   | Pass       |
| Manufacturer's Name & Address | Present                                            | Product   | Pass       |
| Product ID                    | Present                                            | Product   | Pass       |

### Flammability of Toys

Test Request: As Specified in European Standard on Safety of Toys EN71 Part 2:2020

Test Sample: A,B

| Section | Description                                                                         | Result |
|---------|-------------------------------------------------------------------------------------|--------|
| 4       | Requirements                                                                        |        |
| 4.1     | General Requirements                                                                | P      |
| 4.2     | Toys to be worn on the head                                                         | N/A    |
| 4.3     | Toy disguise costumes and toys intended to be worn by a child in play               | N/A    |
| 4.4     | Toys intended to be entered by a child                                              | N/A    |
| 4.5     | Soft-filled toys (Sample was not tested if its maximum dimension is 150mm or less.) | N/A    |

### **Remark:**

P - Pass

N/A - Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN 71 Part 3:2019+A1:2021.

Test Method: General elements, with reference to EN 71 Part 3:2019+A1:2021, analysis was performed by ICP-MS;  
Extractable Chromium (VI), with reference to EN 71 Part 3:2019+A1:2021, analysis was performed by IC-ICP-MS/IC-UV/Vis;  
Extractable organic tin, with reference to EN 71 Part 3:2019+A1:2021, analysis was performed by GC-MS.

| Test Item(s):                             | Unit  | Result |     |       |     |       |     |     |     |
|-------------------------------------------|-------|--------|-----|-------|-----|-------|-----|-----|-----|
|                                           |       | 1      | 2   | 3     | 4   | 5     | 6   | 7   | 8   |
| Category Type                             |       | III    | III | III   | III | III   | III | III | III |
| Extractable Lead (Pb)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Antimony (Sb)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Arsenic (As)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Barium (Ba)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Cadmium (Cd)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Mercury (Hg)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Selenium (Se)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Boron (B)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Cobalt (Co)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Manganese (Mn)                | mg/kg | 151    | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Strontium (Sr)                | mg/kg | 52     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Zinc (Zn)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Copper (Cu)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Aluminum (Al)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Nickel (Ni)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Tin (Sn)                      | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Chromium#2                    | mg/kg | -      | ND  | 0.024 | ND  | 0.028 | ND  | ND  | -   |
| Extractable Organic Tin#1                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Chromium (III) (Cr III)<br>#3 | mg/kg | 25     | -   | -     | -   | -     | -   | -   | ND  |
| Extractable Chromium (VI) (Cr VI)         | mg/kg | ND     | -   | -     | -   | -     | -   | -   | ND  |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Test Item(s):                             | Unit  | Result |     |     |     |     |     |     |
|-------------------------------------------|-------|--------|-----|-----|-----|-----|-----|-----|
|                                           |       | 9      | 10  | 11  | 12  | 13  | 14  | 15  |
| Category Type                             |       | III    | III | III | III | III | III | III |
| Extractable Lead (Pb)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Antimony (Sb)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Arsenic (As)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Barium (Ba)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Cadmium (Cd)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Mercury (Hg)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Selenium (Se)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Boron (B)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Cobalt (Co)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Manganese (Mn)                | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Strontium (Sr)                | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Zinc (Zn)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Copper (Cu)                   | mg/kg | ND     | ND  | ND  | ND  | 100 | ND  | ND  |
| Extractable Aluminum (Al)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Nickel (Ni)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Tin (Sn)                      | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Chromium#2                    | mg/kg | ND     | ND  | ND  | -   | ND  | ND  | -   |
| Extractable Organic Tin#1                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Chromium (III) (Cr III)<br>#3 | mg/kg | -      | -   | -   | ND  | -   | -   | ND  |
| Extractable Chromium (VI) (Cr VI)         | mg/kg | -      | -   | -   | ND  | -   | -   | ND  |

**Note:**

#1 - The migration of organic tin is expressed as tributyltin.

#2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

#3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Limits –MDL per category type:

| Test Item(s):                       | Unit  | Limit | MDL  | Limit | MDL   | Limit  | MDL  |
|-------------------------------------|-------|-------|------|-------|-------|--------|------|
| Category Type                       |       | I     |      | II    |       | III    |      |
| Extractable Lead (Pb)               | mg/kg | 2.0   | 1.0  | 0.5   | 0.2   | 23     | 10   |
| Extractable Antimony (Sb)           | mg/kg | 45    | 5    | 11.3  | 1     | 560    | 10   |
| Extractable Arsenic (As)            | mg/kg | 3.8   | 0.2  | 0.9   | 0.1   | 47     | 5    |
| Extractable Barium (Ba)             | mg/kg | 1500  | 50   | 375   | 10    | 18750  | 50   |
| Extractable Cadmium (Cd)            | mg/kg | 1.3   | 0.1  | 0.3   | 0.05  | 17     | 1    |
| Extractable Mercury (Hg)            | mg/kg | 7.5   | 0.5  | 1.9   | 0.2   | 94     | 10   |
| Extractable Selenium (Se)           | mg/kg | 37.5  | 2    | 9.4   | 1     | 460    | 10   |
| Extractable Boron (B)               | mg/kg | 1200  | 50   | 300   | 10    | 15000  | 50   |
| Extractable Cobalt (Co)             | mg/kg | 10.5  | 1    | 2.6   | 0.2   | 130    | 10   |
| Extractable Manganese (Mn)          | mg/kg | 1200  | 50   | 300   | 10    | 15000  | 50   |
| Extractable Strontium (Sr)          | mg/kg | 4500  | 50   | 1125  | 50    | 56000  | 50   |
| Extractable Zinc (Zn)               | mg/kg | 3750  | 50   | 938   | 50    | 46000  | 50   |
| Extractable Copper (Cu)             | mg/kg | 622.5 | 10   | 156   | 10    | 7700   | 50   |
| Extractable Aluminum (Al)           | mg/kg | 2250  | 50   | 560   | 50    | 28130  | 50   |
| Extractable Nickel (Ni)             | mg/kg | 75    | 5    | 18.8  | 2     | 930    | 10   |
| Extractable Tin (Sn)                | mg/kg | 15000 | 50   | 3750  | 50    | 180000 | 50   |
| Extractable Organic Tin             | mg/kg | 0.9   | 0.2  | 0.2   | 0.2   | 12     | 0.2  |
| Extractable Chromium                | mg/kg | -     | 0.02 | -     | 0.005 | -      | 0.02 |
| Extractable Chromium (III) (Cr III) | mg/kg | 37.5  | 2    | 9.4   | 1     | 460    | 10   |
| Extractable Chromium (VI) (Cr VI)   | mg/kg | 0.02  | 0.02 | 0.005 | 0.005 | 0.053  | 0.02 |

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scraped-off toy material

“-” = Not Regulated

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2019+A2:2024.

Test Method: General elements, with reference to EN 71 Part 3:2019+A2:2024, analysis was performed by ICP-MS;  
Extractable Chromium (VI), with reference to EN 71 Part 3:2019+A2:2024, analysis was performed by IC-ICP-MS/IC-UV/Vis;  
Extractable organic tin, with reference to EN 71 Part 3:2019+A2:2024, analysis was performed by GC-MS.

| Test Item(s):                             | Unit  | Result |     |       |     |       |     |     |     |
|-------------------------------------------|-------|--------|-----|-------|-----|-------|-----|-----|-----|
|                                           |       | 1      | 2   | 3     | 4   | 5     | 6   | 7   | 8   |
| Category Type                             |       | III    | III | III   | III | III   | III | III | III |
| Extractable Lead (Pb)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Antimony (Sb)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Arsenic (As)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Barium (Ba)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Cadmium (Cd)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Mercury (Hg)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Selenium (Se)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Boron (B)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Cobalt (Co)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Manganese (Mn)                | mg/kg | 151    | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Strontium (Sr)                | mg/kg | 52     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Zinc (Zn)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Copper (Cu)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Aluminum (Al)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Nickel (Ni)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Tin (Sn)                      | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Chromium#2                    | mg/kg | -      | ND  | 0.024 | ND  | 0.028 | ND  | ND  | -   |
| Extractable Organic Tin#1                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Chromium (III) (Cr III)<br>#3 | mg/kg | 25     | -   | -     | -   | -     | -   | -   | ND  |
| Extractable Chromium (VI) (Cr VI)         | mg/kg | ND     | -   | -     | -   | -     | -   | -   | ND  |

\*\*\*TO BE CONTINUED\*\*\*

**TEST RESULT**

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| Test Item(s):                             | Unit  | Result |     |     |     |     |     |     |
|-------------------------------------------|-------|--------|-----|-----|-----|-----|-----|-----|
|                                           |       | 9      | 10  | 11  | 12  | 13  | 14  | 15  |
| Category Type                             |       | III    | III | III | III | III | III | III |
| Extractable Lead (Pb)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Antimony (Sb)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Arsenic (As)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Barium (Ba)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Cadmium (Cd)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Mercury (Hg)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Selenium (Se)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Boron (B)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Cobalt (Co)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Manganese (Mn)                | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Strontium (Sr)                | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Zinc (Zn)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Copper (Cu)                   | mg/kg | ND     | ND  | ND  | ND  | 100 | ND  | ND  |
| Extractable Aluminum (Al)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Nickel (Ni)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Tin (Sn)                      | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Chromium#2                    | mg/kg | ND     | ND  | ND  | -   | ND  | ND  | -   |
| Extractable Organic Tin#1                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Chromium (III) (Cr III)<br>#3 | mg/kg | -      | -   | -   | ND  | -   | -   | ND  |
| Extractable Chromium (VI) (Cr VI)         | mg/kg | -      | -   | -   | ND  | -   | -   | ND  |

**Note:**

#1 - The migration of organic tin is expressed as tributyltin.

#2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

#3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Limits –MDL per category type:

| Test Item(s):                       | Unit  | Limit | MDL  | Limit | MDL   | Limit  | MDL  |
|-------------------------------------|-------|-------|------|-------|-------|--------|------|
| Category Type                       |       | I     |      | II    |       | III    |      |
| Extractable Lead (Pb)               | mg/kg | 2.0   | 1.0  | 0.5   | 0.2   | 23     | 10   |
| Extractable Antimony (Sb)           | mg/kg | 45    | 5    | 11.3  | 1     | 560    | 10   |
| Extractable Arsenic (As)            | mg/kg | 3.8   | 0.2  | 0.9   | 0.1   | 47     | 5    |
| Extractable Barium (Ba)             | mg/kg | 1500  | 50   | 375   | 10    | 18750  | 50   |
| Extractable Cadmium (Cd)            | mg/kg | 1.3   | 0.1  | 0.3   | 0.05  | 17     | 1    |
| Extractable Mercury (Hg)            | mg/kg | 7.5   | 0.5  | 1.9   | 0.2   | 94     | 10   |
| Extractable Selenium (Se)           | mg/kg | 37.5  | 2    | 9.4   | 1     | 460    | 10   |
| Extractable Boron (B)               | mg/kg | 1200  | 50   | 300   | 10    | 15000  | 50   |
| Extractable Cobalt (Co)             | mg/kg | 10.5  | 1    | 2.6   | 0.2   | 130    | 10   |
| Extractable Manganese (Mn)          | mg/kg | 1200  | 50   | 300   | 10    | 15000  | 50   |
| Extractable Strontium (Sr)          | mg/kg | 4500  | 50   | 1125  | 50    | 56000  | 50   |
| Extractable Zinc (Zn)               | mg/kg | 3750  | 50   | 938   | 50    | 46000  | 50   |
| Extractable Copper (Cu)             | mg/kg | 622.5 | 10   | 156   | 10    | 7700   | 50   |
| Extractable Aluminum (Al)           | mg/kg | 2250  | 50   | 560   | 50    | 28130  | 50   |
| Extractable Nickel (Ni)             | mg/kg | 75    | 5    | 18.8  | 2     | 930    | 10   |
| Extractable Tin (Sn)                | mg/kg | 15000 | 50   | 3750  | 50    | 180000 | 50   |
| Extractable Organic Tin             | mg/kg | 0.9   | 0.2  | 0.2   | 0.2   | 12     | 0.2  |
| Extractable Chromium                | mg/kg | -     | 0.02 | -     | 0.005 | -      | 0.02 |
| Extractable Chromium (III) (Cr III) | mg/kg | 37.5  | 2    | 9.4   | 1     | 460    | 10   |
| Extractable Chromium (VI) (Cr VI)   | mg/kg | 0.02  | 0.02 | 0.005 | 0.005 | 0.053  | 0.02 |

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scraped-off toy material

“-” = Not Regulated

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Physical and Mechanical Hazards

Test Request: As specified in British Standard on Safety of Toys BS EN71 Part 1:2014+A1 :2018  
Test Sample: A,B

| Section  | Description                                                                          | Result |
|----------|--------------------------------------------------------------------------------------|--------|
| 4        | General requirements                                                                 |        |
| 4.1      | Material cleanliness (by visual assessment)                                          | P      |
| 4.2      | Assembly                                                                             | P      |
| 4.3      | Flexible plastic sheeting                                                            | N/A    |
| 4.4      | Toy Bags                                                                             | N/A    |
| 4.5      | Glass                                                                                | N/A    |
| 4.6      | Expanding Materials                                                                  | N/A    |
| 4.7      | Edges                                                                                | P      |
| 4.8      | Points and Metallic Wires                                                            | P      |
| 4.9      | Protruding parts                                                                     | P      |
| 4.10     | Parts moving against each other                                                      | P      |
| 4.10.1   | Folding and sliding mechanisms                                                       | N/A    |
| 4.10.2   | Driving mechanisms.                                                                  | P      |
| 4.10.3   | Hinges                                                                               | N/A    |
| 4.10.4   | Springs                                                                              | N/A    |
| 4.11     | Mouth-actuated toys and other toys intended to be put in the mouth                   | N/A    |
| 4.12     | Balloons                                                                             | N/A    |
| 4.13     | Cords of toy kites and other flying toys.                                            | N/A    |
| 4.14     | Enclosures                                                                           | N/A    |
| 4.14.1   | Toys which a child can enter                                                         | N/A    |
| 4.14.2   | Masks and helmets                                                                    | N/A    |
| 4.15     | Toys intended to bear the mass of a child                                            | P      |
| 4.15.1   | Toys propelled by the child or by other means                                        | P      |
| 4.15.2   | Toy bicycles                                                                         | N/A    |
| 4.15.3   | Rocking horses and similar toys                                                      | N/A    |
| 4.15.4   | Toys not propelled by a child                                                        | N/A    |
| 4.15.5   | Toys scooters                                                                        | N/A    |
| 4.16     | Heavy immobile toys                                                                  | N/A    |
| 4.17     | Projectiles                                                                          | N/A    |
| 4.17.1   | General                                                                              | N/A    |
| 4.17.2   | All projectiles                                                                      | N/A    |
| 4.17.3   | Projectile toy with stored energy                                                    | N/A    |
| 4.17.4   | Certain projectile toys without stored energy                                        | N/A    |
| 4.18     | Aquatic toys and inflatable toys                                                     | N/A    |
| 4.19     | Percussion caps specifically designed for use in toys and toys using percussion caps | N/A    |
| 4.20     | Acoustics                                                                            | P      |
| 4.20.2.1 | General                                                                              | P      |
| 4.20.2.2 | Close-to-the-ear toys                                                                | N/A    |
| 4.20.2.3 | Table-top or floor toys                                                              | P      |
| 4.20.2.4 | Hand-held toys                                                                       | N/A    |
| 4.20.2.5 | Toys using headphones or earphones                                                   | N/A    |
| 4.20.2.6 | Rattles                                                                              | N/A    |
| 4.20.2.7 | Squeeze toys                                                                         | N/A    |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Section   | Description                                                              | Result |
|-----------|--------------------------------------------------------------------------|--------|
| 4.20.2.8  | Pull-along or push toys                                                  | N/A    |
| 4.20.2.9  | Percussion toys                                                          | N/A    |
| 4.20.2.10 | Wind toys                                                                | N/A    |
| 4.20.2.11 | Cap-firing toys                                                          | N/A    |
| 4.20.2.12 | Voice toys                                                               | N/A    |
| 4.21      | Toys containing a non-electrical heat source                             | N/A    |
| 4.22      | Small balls                                                              | N/A    |
| 4.23      | Magnets                                                                  | N/A    |
| 4.24      | Yo-yo balls                                                              | N/A    |
| 4.25      | Toys attached to food                                                    | N/A    |
| 4.26      | Toy disguise costumes                                                    | N/A    |
| 4.27      | Flying toys                                                              | N/A    |
| 4.27.1    | General                                                                  | N/A    |
| 4.27.2    | Rotors and propellers on flying toys                                     | N/A    |
| 4.27.3    | Rotors and propellers on remote controlled flying toys                   | N/A    |
| 5         | Toys intended for children under 36 months                               |        |
| 5.1       | General requirements                                                     | P      |
| 5.2       | Soft-filled toys and soft-filled parts of a toy                          | N/A    |
| 5.3       | Plastic sheeting                                                         | N/A    |
| 5.4       | Cords, chains and electrical cables in toys                              | N/A    |
| 5.5       | Liquid-filled toys                                                       | N/A    |
| 5.6       | Speed limitation of electrically-driven ride-on toys                     | N/A    |
| 5.7       | Glass and porcelain                                                      | N/A    |
| 5.8       | Shape and size of certain toys                                           | N/A    |
| 5.9       | Toys comprising monofilament fibres                                      | N/A    |
| 5.10      | Small balls                                                              | N/A    |
| 5.11      | Play figures                                                             | N/A    |
| 5.12      | Hemispheric-shaped toys                                                  | N/A    |
| 5.13      | Suction cups                                                             | N/A    |
| 5.14      | Straps intended to be worn fully or partially around the neck            | N/A    |
| 5.15      | Sledges with cords for pulling                                           | N/A    |
| 6         | Packaging                                                                | N/A    |
| 7         | Warnings, markings and instructions for use                              |        |
| 7.1       | General                                                                  | P      |
| 7.2       | Toys not intended for children under 36 months                           | N/A    |
| 7.3       | Latex Balloons                                                           | N/A    |
| 7.4       | Aquatic toys                                                             | N/A    |
| 7.5       | Functional Toys                                                          | N/A    |
| 7.6       | Hazardous sharp functional edges and points                              | N/A    |
| 7.7       | Projectiles toys                                                         | N/A    |
| 7.8       | Imitation protective masks and helmets                                   | N/A    |
| 7.9       | Toy kites                                                                | N/A    |
| 7.10      | Roller skates, inline skates, skateboards and certain other ride-on toys | P      |
| 7.11      | Toys intended to be strung across a cradle, cot, or perambulator         | N/A    |
| 7.12      | Liquid-filled teethingers                                                | N/A    |
| 7.13      | Percussion caps specifically designed for use in toys                    | N/A    |
| 7.14      | Acoustics                                                                | N/A    |
| 7.15      | Toys bicycles                                                            | N/A    |
| 7.16      | Toys intended to bear the mass of a child                                | N/A    |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Section | Description                                                                               | Result |
|---------|-------------------------------------------------------------------------------------------|--------|
| 7.17    | Toys comprising monofilament fibres                                                       | N/A    |
| 7.18    | Toy scooters                                                                              | N/A    |
| 7.19    | Rocking horses and similar toys                                                           | N/A    |
| 7.20    | Magnetic/electrical experimental sets                                                     | N/A    |
| 7.21    | Toy with electrical cables exceeding 300mm in length                                      | N/A    |
| 7.22    | Toys with cords or chains intended for children of 18 months and over but under 36 months | N/A    |
| 7.23    | Toys intended to be attached to a cradle, cot or perambulator                             | N/A    |
| 7.24    | Sledges with cords for pulling                                                            | N/A    |
| 7.25    | Flying toys                                                                               | N/A    |
| 7.25.1  | Flying toys                                                                               | N/A    |
| 7.25.2  | Remote controlled flying toys                                                             | N/A    |
| 7.26    | Improvised projectiles                                                                    | N/A    |

**Remark:**

P - Pass

NA - Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Labeling Requirement for United Kingdom

Test Request: Labeling requirement including Washing/Cleaning instruction, compliance marking, importer / manufacturer name and address, product identification as specified in The Toys (Safety) Regulations 2011 and The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019

Test Sample: A,B

| Labeling Content              | Observation Result                                  | Location  | Conclusion |
|-------------------------------|-----------------------------------------------------|-----------|------------|
| Washing/Cleaning Instruction  | Not Applicable                                      | /         | /          |
| UKCA Mark                     | Present, Correct form, UKCA marking (height >5.0mm) | Packaging | Pass       |
| Importer's Name & Address     | Present                                             | Product   | Pass       |
| Manufacturer's Name & Address | Present                                             | Product   | Pass       |
| Product ID                    | Present                                             | Product   | Pass       |

### Flammability of Toys

Test Request: As Specified in British Standard on Safety of Toys BS EN71 Part 2:2020

Test Sample: A,B

| Section | Description                                                                         | Result |
|---------|-------------------------------------------------------------------------------------|--------|
| 4       | Requirements                                                                        |        |
| 4.1     | General Requirements                                                                | P      |
| 4.2     | Toys to be worn on the head                                                         | N/A    |
| 4.3     | Toy disguise costumes and toys intended to be worn by a child in play               | N/A    |
| 4.4     | Toys intended to be entered by a child                                              | N/A    |
| 4.5     | Soft-filled toys (Sample was not tested if its maximum dimension is 150mm or less.) | N/A    |

#### Remark:

P - Pass

NA - Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in British Standard on Safety of Toys BS EN71 Part 3:2019+A1:2021.

Test Method: General elements, with reference to BS EN 71 Part 3:2019+A1:2021, analysis was performed by ICP-MS;  
Extractable Chromium (VI), with reference to BS EN 71 Part 3:2019+A1:2021, analysis was performed by IC-ICP-MS/IC-UV/Vis;  
Extractable organic tin, with reference to BS EN 71 Part 3:2019+A1:2021, analysis was performed by GC-MS.

| Test Item(s):                             | Unit  | Result |     |       |     |       |     |     |     |
|-------------------------------------------|-------|--------|-----|-------|-----|-------|-----|-----|-----|
|                                           |       | 1      | 2   | 3     | 4   | 5     | 6   | 7   | 8   |
| Category Type                             |       | III    | III | III   | III | III   | III | III | III |
| Extractable Lead (Pb)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Antimony (Sb)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Arsenic (As)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Barium (Ba)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Cadmium (Cd)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Mercury (Hg)                  | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Selenium (Se)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Boron (B)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Cobalt (Co)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Manganese (Mn)                | mg/kg | 151    | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Strontium (Sr)                | mg/kg | 52     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Zinc (Zn)                     | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Copper (Cu)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Aluminum (Al)                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Nickel (Ni)                   | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Tin (Sn)                      | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Chromium#2                    | mg/kg | -      | ND  | 0.024 | ND  | 0.028 | ND  | ND  | -   |
| Extractable Organic Tin#1                 | mg/kg | ND     | ND  | ND    | ND  | ND    | ND  | ND  | ND  |
| Extractable Chromium (III) (Cr III)<br>#3 | mg/kg | 25     | -   | -     | -   | -     | -   | -   | ND  |
| Extractable Chromium (VI) (Cr VI)         | mg/kg | ND     | -   | -     | -   | -     | -   | -   | ND  |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Test Item(s):                             | Unit  | Result |     |     |     |     |     |     |
|-------------------------------------------|-------|--------|-----|-----|-----|-----|-----|-----|
|                                           |       | 9      | 10  | 11  | 12  | 13  | 14  | 15  |
| Category Type                             |       | III    | III | III | III | III | III | III |
| Extractable Lead (Pb)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Antimony (Sb)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Arsenic (As)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Barium (Ba)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Cadmium (Cd)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Mercury (Hg)                  | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Selenium (Se)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Boron (B)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Cobalt (Co)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Manganese (Mn)                | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Strontium (Sr)                | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Zinc (Zn)                     | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Copper (Cu)                   | mg/kg | ND     | ND  | ND  | ND  | 100 | ND  | ND  |
| Extractable Aluminum (Al)                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Nickel (Ni)                   | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Tin (Sn)                      | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Chromium#2                    | mg/kg | ND     | ND  | ND  | -   | ND  | ND  | -   |
| Extractable Organic Tin#1                 | mg/kg | ND     | ND  | ND  | ND  | ND  | ND  | ND  |
| Extractable Chromium (III) (Cr III)<br>#3 | mg/kg | -      | -   | -   | ND  | -   | -   | ND  |
| Extractable Chromium (VI) (Cr VI)         | mg/kg | -      | -   | -   | ND  | -   | -   | ND  |

**Note:**

#1 - The migration of organic tin is expressed as tributyltin.

#2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

#3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Limits –MDL per category type:

| Test Item(s):                       | Unit  | Limit | MDL  | Limit | MDL   | Limit  | MDL  |
|-------------------------------------|-------|-------|------|-------|-------|--------|------|
| Category Type                       |       | I     |      | II    |       | III    |      |
| Extractable Lead (Pb)               | mg/kg | 2.0   | 1.0  | 0.5   | 0.2   | 23     | 10   |
| Extractable Antimony (Sb)           | mg/kg | 45    | 5    | 11.3  | 1     | 560    | 10   |
| Extractable Arsenic (As)            | mg/kg | 3.8   | 0.2  | 0.9   | 0.1   | 47     | 5    |
| Extractable Barium (Ba)             | mg/kg | 1500  | 50   | 375   | 10    | 18750  | 50   |
| Extractable Cadmium (Cd)            | mg/kg | 1.3   | 0.1  | 0.3   | 0.05  | 17     | 1    |
| Extractable Mercury (Hg)            | mg/kg | 7.5   | 0.5  | 1.9   | 0.2   | 94     | 10   |
| Extractable Selenium (Se)           | mg/kg | 37.5  | 2    | 9.4   | 1     | 460    | 10   |
| Extractable Boron (B)               | mg/kg | 1200  | 50   | 300   | 10    | 15000  | 50   |
| Extractable Cobalt (Co)             | mg/kg | 10.5  | 1    | 2.6   | 0.2   | 130    | 10   |
| Extractable Manganese (Mn)          | mg/kg | 1200  | 50   | 300   | 10    | 15000  | 50   |
| Extractable Strontium (Sr)          | mg/kg | 4500  | 50   | 1125  | 50    | 56000  | 50   |
| Extractable Zinc (Zn)               | mg/kg | 3750  | 50   | 938   | 50    | 46000  | 50   |
| Extractable Copper (Cu)             | mg/kg | 622.5 | 10   | 156   | 10    | 7700   | 50   |
| Extractable Aluminum (Al)           | mg/kg | 2250  | 50   | 560   | 50    | 28130  | 50   |
| Extractable Nickel (Ni)             | mg/kg | 75    | 5    | 18.8  | 2     | 930    | 10   |
| Extractable Tin (Sn)                | mg/kg | 15000 | 50   | 3750  | 50    | 180000 | 50   |
| Extractable Organic Tin             | mg/kg | 0.9   | 0.2  | 0.2   | 0.2   | 12     | 0.2  |
| Extractable Chromium                | mg/kg | -     | 0.02 | -     | 0.005 | -      | 0.02 |
| Extractable Chromium (III) (Cr III) | mg/kg | 37.5  | 2    | 9.4   | 1     | 460    | 10   |
| Extractable Chromium (VI) (Cr VI)   | mg/kg | 0.02  | 0.02 | 0.005 | 0.005 | 0.053  | 0.02 |

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scraped-off toy material

“-” = Not Regulated

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996  
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |    |
|--------------|-------|-------|-----|--------|----|----|----|
|              |       |       |     | 1      | 2  | 3  | 4  |
| Total Lead   | mg/kg | 500   | 10  | 20     | ND | ND | ND |

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |    |
|--------------|-------|-------|-----|--------|----|----|----|
|              |       |       |     | 5      | 6  | 7  | 8  |
| Total Lead   | mg/kg | 500   | 10  | ND     | ND | ND | ND |

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |    |
|--------------|-------|-------|-----|--------|----|----|----|
|              |       |       |     | 9      | 10 | 11 | 12 |
| Total Lead   | mg/kg | 500   | 10  | ND     | ND | 16 | ND |

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |
|--------------|-------|-------|-----|--------|----|----|
|              |       |       |     | 13     | 14 | 15 |
| Total Lead   | mg/kg | 500   | 10  | ND     | ND | ND |

### **Remark:**

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

| Test Item(s) | Unit  | Limit | MDL | Result |
|--------------|-------|-------|-----|--------|
|              |       |       |     | 1      |
| Cadmium (Cd) | mg/kg | 1000  | 5   | ND     |

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |    |
|--------------|-------|-------|-----|--------|----|----|----|
|              |       |       |     | 2      | 3  | 4  | 5  |
| Cadmium (Cd) | mg/kg | 100   | 5   | ND     | ND | ND | ND |

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |    |
|--------------|-------|-------|-----|--------|----|----|----|
|              |       |       |     | 6      | 7  | 8  | 9  |
| Cadmium (Cd) | mg/kg | 100   | 5   | ND     | ND | ND | ND |

| Test Item(s) | Unit  | Limit | MDL | Result |    |    |    |
|--------------|-------|-------|-----|--------|----|----|----|
|              |       |       |     | 10     | 11 | 12 | 13 |
| Cadmium (Cd) | mg/kg | 100   | 5   | ND     | ND | ND | ND |

| Test Item(s) | Unit  | Limit | MDL | Result |    |
|--------------|-------|-------|-----|--------|----|
|              |       |       |     | 14     | 15 |
| Cadmium (Cd) | mg/kg | 100   | 5   | ND     | ND |

### **Remark:**

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: IEC 62321-8:2017, solvent extraction and quantification by GC-MS.

| Test Item(s)                  | CAS No.    | Unit | Limit | MDL   | Result |          |
|-------------------------------|------------|------|-------|-------|--------|----------|
|                               |            |      |       |       | 12     | 13+14+15 |
| Dibutylphthalate (DBP)        | 84-74-2    | %    | -     | 0.005 | ND     | ND       |
| Benzylbutyl phthalate (BBP)   | 85-68-7    | %    | -     | 0.005 | ND     | ND       |
| Diethylhexylphthalate (DEHP)  | 117-81-7   | %    | -     | 0.005 | ND     | ND       |
| Di-isobutyl phthalate (DiBP)  | 84-69-5    | %    | -     | 0.005 | ND     | ND       |
| Sum (DBP + BBP + DEHP + DiBP) | -          | %    | 0.1   | -     | ND     | ND       |
| Di-n-octylphthalate (DNOP)    | 117-84-0   | %    | -     | 0.005 | ND     | ND       |
| Diisononylphthalate (DINP)    | 28553-12-0 | %    | -     | 0.005 | ND     | ND       |
| Diisodecyl phthalate (DIDP)   | 26761-40-0 | %    | -     | 0.005 | ND     | ND       |
| Sum (DNOP + DINP + DIDP)      | -          | %    | 0.1   | -     | ND     | ND       |

### Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

“- “ = Not Regulated

\*\*\*END OF THE REPORT\*\*\*