

## Test Report

Report No.: GNBC240807135-05EN

Issue Date: Aug. 20, 2024

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The following information was/were submitted and identified by/on behalf of the client:

Applicant : Xplorys B.V.  
Address : Dopplerstraat 12 - 1704 SR Heerhugowaard The Netherlands  
Sample Name : Earmuffs Baby-Junior combi  
Sample Model : 3001201  
Sample Receive Date : Aug. 07, 2024  
Sample Testing Period : Aug. 07, 2024 - Aug. 13, 2024  
Test Result Summary:

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

| TEST ITEM(S)                       | TEST REQUESTED  | CONCLUSION(S) |
|------------------------------------|---|---------------|
| Mechanical and physical properties | EN 71-1:2014+A1:2018 - Safety of toys - Part 1<br>(Excluding clause 5.1 General requirements & 7.1 General, packaging and labeling information) | PASS          |
| Flammability                       | EN 71-2:2020 - Safety of toys - Part 2  | PASS          |
| Migration of certain elements      | EN 71-3:2019+A1:2021 - Safety of toys - Part 3  | PASS          |

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Authorized signature:



Lab Manager: Gavin Zhou



Aug. 20, 2024

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**Test Result(s):****1. Mechanical and physical properties - EN 71-1:2014+A1:2018, Safety of Toys, Part 1**

As specified in European Standard EN 71-1:2014+A1:2018 of Mechanical and physical properties

Labelled Age Group : Not stated

Applicant's Specified Testing Age : 0-3 Years

Applied Testing Age : 0-3 Years

| Clause   | Test Item(s)   | Assessment |
|----------|--|------------|
| <b>4</b> | <b>General Requirements</b>  |            |
| 4.1      | Material cleanliness (by visual assessment)                        | 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         |
| 4.10.1   | 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     | Balloons   | NA         |
| 4.13     | Cords of toy kites and other flying toys                           | NA         |
| 4.14     | Enclosures   | NA         |
| 4.14.1   | Toys which a child can enter                                       | NA         |
| 4.14.2   | Masks and helmets  | NA         |
| 4.15     | Toys intended to bear the mass of a child                          | NA         |
| 4.15.1   | Toys propelled by a child or by other means                        | NA         |
| 4.15.2   | Toy bicycles   | NA         |
| 4.15.3   | Rocking horses and similar toys                                    | NA         |
| 4.15.4   | Toys not propelled by a child                                      | NA         |
| 4.15.5   | Toy scooters   | NA         |

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| Clause    | Test Item(s)   | Assessment |
|-----------|--|------------|
| 4.16      | Heavy immobile toys  | NA         |
| 4.17      | Projectile toys  | NA         |
| 4.17.2    | All projectiles  | NA         |
| 4.17.3    | Projectile toys with stored energy   | NA         |
| 4.17.4    | Certain projectile toys without stored energy  | 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         |
| 4.20.2.2  | Close-to-the-ear toys  | NA         |
| 4.20.2.3  | Table-top or floor toys  | NA         |
| 4.20.2.4  | Hand-held toys   | NA         |
| 4.20.2.5  | Toys using headphones or earphones   | NA         |
| 4.20.2.6  | Rattles  | NA         |
| 4.20.2.7  | Squeeze toys   | NA         |
| 4.20.2.8  | Pull-along or push toys  | NA         |
| 4.20.2.9  | Percussion toys  | NA         |
| 4.20.2.10 | Wind toys  | NA         |
| 4.20.2.11 | Cap-firing toys  | NA         |
| 4.20.2.12 | Voice toys   | NA         |
| 4.21      | Toys containing a non-electrical heat source   | NA         |
| 4.22      | Small balls  | NA         |
| 4.23      | Magnets  | NA         |
| 4.23.2    | Toys other than magnetic/electrical experimental sets intended for children over 8 years | NA         |
| 4.23.3    | Magnetic/electrical experimental sets intended for children over 8 years                 | NA         |
| 4.24      | Yo-yo balls  | NA         |
| 4.25      | Toys attached to food  | NA         |
| 4.26      | Toy Disguise Costumes  | NA         |
| 4.27      | Flying toys  | NA         |
| 4.27.2    | Rotors and propellers on flying toys   | NA         |
| 4.27.3    | Rotors and propellers on remote controlled flying toys                                   | NA         |
| <b>5</b>  | <b>Toys intended for children under 36 months</b>  |            |
| 5.1       | General requirements   | <b>NR</b>  |
| 5.2       | Soft-filled toys and soft-filled parts of a toy  | NA         |
| 5.3       | Plastic sheeting   | NA         |
| 5.4       | Cords, chains and electrical cables in toys  | NA         |
| 5.4.2     | Cords and chains in toys intended for children under 18 months                           | NA         |
| 5.4.3     | Cords and chains in toys intended for children of 18 months or over but under 36         | NA         |

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| Clause   | Test Item(s)   | Assessment |
|----------|--|------------|
|          | months   |            |
| 5.4.4    | Fixed loops, tangled loops and nooses  | NA         |
| 5.4.5    | Cords and chains on pull along toys  | NA         |
| 5.4.6    | Electrical cables  | NA         |
| 5.4.7    | Cross-sectional dimension of certain cords                                     | NA         |
| 5.4.8    | Self-retracting cords  | NA         |
| 5.4.9    | Toys attached to or intended to be strung across a cradle, cot or perambulator | 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 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     | Sledges with cords for pulling   | NA         |
| <b>6</b> | <b>Packaging</b>   | NA         |
| <b>7</b> | <b>Warnings, markings and instructions for use</b>                             |            |
| 7.1      | General  | <b>NR</b>  |
| 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      | Projectile toys  | 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 strung across a cradle, cot, or perambulator               | NA         |
| 7.12     | Liquid-filled teethers   | NA         |
| 7.13     | Percussion caps specifically designed for use in toys                          | NA         |
| 7.14     | Acoustics  | NA         |
| 7.15     | Toy bicycles   | NA         |
| 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 300 mm in length                         | NA         |

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| Clause | Test Item(s)  | Assessment |
|--------|---|------------|
| 7.22   | Toys with cords or chains intended for children of 18 months and over but under 36 months | NA         |
| 7.23   | Toys intended to be attached to a cradle, cot or perambulator                             | NA         |
| 7.24   | Sledges with cords for pulling  | NA         |
| 7.25   | Flying toys   | NA         |
| 7.26   | Improvised projectiles  | NA         |

**Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to EN 71-1:2014+A1:2018 - Safety of toys - Part 1 and European Directive 2009/48/EC - Safety of toys**

Summary table:

| Items                         | Observation Result(s) | Location |
|-------------------------------|-----------------------|----------|
| Washing/Cleaning instruction  | NA                    | /        |
| CE mark                       | Absent                | /        |
| Importer's Name & Address     | Absent                | /        |
| Manufacturer's Name & Address | Absent                | /        |
| Product ID                    | Absent                | /        |

- Note:**
1. NA = Not Applicable.
  2. NR = Not Requested by client.
  3. The attention of the applicant was drawn to the need for the item to be labeled with the name and/or trade name and/or mark and address of the manufacturer or his authorized representative or the importer on its packaging together with a CE mark as specified in 2009/48/EC directive. If this information was not fixed to the toy itself, it should be accompanied by a notice in advising the purchaser to retain it.
  4. CE mark should be visible from outside the packaging and its height must be at least 5mm.

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## 2. Flammability - EN 71-2:2020, Safety of Toys, Part 2

As specified in European Standard EN 71-2:2020 of Flammability

| <u>Clause</u> | <u>Test Item(s)</u>  | <u>Assessment</u> |
|---------------|--|-------------------|
| <b>4</b>      | <b>Requirements</b>  |                   |
| 4.1           | General requirements   | PASS              |
| 4.2           | Toys to be worn on the head  | PASS              |
| 4.2.2         | Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50mm or more from the surface of the toy   | NA                |
| 4.2.3         | Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50mm from the surface of the toy   | NA                |
| 4.2.4         | Full or partial moulded head masks   | NA                |
| 4.2.5         | Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), but excluding those covered by 4.3 | PASS              |
| 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.

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## Test Part Description:

| Part No.  | Description              |
|-----------|--------------------------|
| <u>01</u> | White felt               |
| <u>02</u> | Grey elastic cloth       |
| <u>03</u> | Black foam               |
| <u>04</u> | White plastic shell      |
| <u>05</u> | Grey soft polymer sheath |

### 3. Migration of certain elements - EN 71-3:2019+A1:2021, Safety of Toys, Part 3

**Test Method:** EN 71-3:2019+A1:2021, Acid extraction and determined by ICP-OES, ICP-MS

For Category III: Scraped-off toy material

| Test item(s)           | Limit  | Unit  | RL     | Result(s) |           |           |
|------------------------|--------|-------|--------|-----------|-----------|-----------|
|                        |        |       |        | <u>01</u> | <u>02</u> | <u>03</u> |
| Soluble Aluminum (Al)  | 28130  | mg/kg | 200    | N.D.      | N.D.      | N.D.      |
| Soluble Antimony (Sb)  | 560    | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Arsenic (As)   | 47     | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Barium (Ba)    | 18750  | mg/kg | 50     | N.D.      | N.D.      | N.D.      |
| Soluble Boron (B)      | 15000  | mg/kg | 50     | N.D.      | N.D.      | N.D.      |
| Soluble Cadmium (Cd)   | 17     | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Chromium (III) | 460    | mg/kg | 5      | N.D.      | N.D.      | N.D.      |
| Soluble Chromium (VI)  | 0.053  | mg/kg | 0.0025 | N.D.      | N.D.      | N.D.      |
| Soluble Cobalt (Co)    | 130    | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Copper (Cu)    | 7700   | mg/kg | 50     | N.D.      | N.D.      | N.D.      |
| Soluble Lead (Pb)      | 23     | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Manganese (Mn) | 15000  | mg/kg | 50     | N.D.      | N.D.      | N.D.      |
| Soluble Mercury (Hg)   | 94     | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Nickel (Ni)    | 930    | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Selenium (Se)  | 460    | mg/kg | 10     | N.D.      | N.D.      | N.D.      |
| Soluble Strontium (Sr) | 56000  | mg/kg | 50     | N.D.      | N.D.      | N.D.      |
| Soluble Tin (Sn)       | 180000 | mg/kg | 50     | N.D.      | N.D.      | N.D.      |
| Soluble Organic Tin    | 12     | mg/kg | 5      | N.D.      | N.D.      | N.D.      |
| Soluble Zinc (Zn)      | 46000  | mg/kg | 200    | N.D.      | N.D.      | N.D.      |
| <b>Conclusion(s)</b>   |        |       |        | PASS      | PASS      | PASS      |

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| Test item(s)           | Limit  | Unit  | RL     | Result(s) |      |
|------------------------|--------|-------|--------|-----------|------|
|                        |        |       |        | 04        | 05   |
| Soluble Aluminum (Al)  | 28130  | mg/kg | 200    | N.D.      | N.D. |
| Soluble Antimony (Sb)  | 560    | mg/kg | 10     | N.D.      | N.D. |
| Soluble Arsenic (As)   | 47     | mg/kg | 10     | N.D.      | N.D. |
| Soluble Barium (Ba)    | 18750  | mg/kg | 50     | N.D.      | N.D. |
| Soluble Boron (B)      | 15000  | mg/kg | 50     | N.D.      | N.D. |
| Soluble Cadmium (Cd)   | 17     | mg/kg | 10     | N.D.      | N.D. |
| Soluble Chromium (III) | 460    | mg/kg | 5      | N.D.      | N.D. |
| Soluble Chromium (VI)  | 0.053  | mg/kg | 0.0025 | N.D.      | N.D. |
| Soluble Cobalt (Co)    | 130    | mg/kg | 10     | N.D.      | N.D. |
| Soluble Copper (Cu)    | 7700   | mg/kg | 50     | N.D.      | N.D. |
| Soluble Lead (Pb)      | 23     | mg/kg | 10     | N.D.      | N.D. |
| Soluble Manganese (Mn) | 15000  | mg/kg | 50     | N.D.      | N.D. |
| Soluble Mercury (Hg)   | 94     | mg/kg | 10     | N.D.      | N.D. |
| Soluble Nickel (Ni)    | 930    | mg/kg | 10     | N.D.      | N.D. |
| Soluble Selenium (Se)  | 460    | mg/kg | 10     | N.D.      | N.D. |
| Soluble Strontium (Sr) | 56000  | mg/kg | 50     | N.D.      | N.D. |
| Soluble Tin (Sn)       | 180000 | mg/kg | 50     | N.D.      | N.D. |
| Soluble Organic Tin    | 12     | mg/kg | 5      | N.D.      | N.D. |
| Soluble Zinc (Zn)      | 46000  | mg/kg | 200    | N.D.      | N.D. |
| <b>Conclusion(s)</b>   |        |       |        | PASS      | PASS |

- Note:**
- 1000mg/kg = 0.1%;
  - RL = Report Limit;
  - N.D. = Not Detected (<RL);
  - Soluble Chromium (III), Chromium (VI) and Organic Tin were not directly determined and were derived from migration result(s) of Soluble Chromium element and Soluble Tin element respectively.

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