

# TEST REPORT

Report No.: R-us4-16190938-E

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**Applicant Name** : JAXY IMP&EXP CO.,LTD  
**Applicant Address** : 3rd/F,Unit 13,Beiyuan science and technology venture park,Yiwu City,Zhejiang

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

**Product Name** : Eclipse glasses  
**Item No.** : WP02  
**Sample Material** : /  
**Country of Origin** : /  
**Region of Export** : /

**Age requested on application form** : 3+  
**Labeled age grade** : /  
**Age grade applied in testing** : 3+

**Date of receipt** : Aug.05,2016  
**Testing Period** : Aug.05,2016- Aug.09,2016

**Test Category** : Applicant Testing  
**Test Requested** : As specified by client  
**Test Method** : Please refer to the following page  
**Test Instrument** : Please refer to the following page

**Testing Results** : Please refer to the following page

## Testing summary of Submitted Sample and Tested Component on Submitted Sample:

| No. | Test items                                                                                                    | Conclusion |
|-----|---------------------------------------------------------------------------------------------------------------|------------|
| 1   | EN71-1: 2014 -Physical and Mechanical Properties excluding clause 6 and the labeling requirements of clause 7 | Pass       |
| 2   | EN71-2:2011+A1:2014, Flammability                                                                             | Pass       |
| 3   | EN 71-3:2013+A1:2014, Safety of toys - Part 3: Migration of certain elements                                  | Pass       |

Approved by:

*Kevin Lee*

Technical manager:

Kevin Lee

Issued Date:

Aug.09,2016  
No. 16070938



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## Testing Results:

### 1. Test specification: Mechanical and Physical Properties

Test method : EN71-1: 2014

| Clause | Requirement                                                                          | Comment |
|--------|--------------------------------------------------------------------------------------|---------|
| 4      | General requirements                                                                 |         |
| 4.1    | Material                                                                             | 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   | Cord 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   | Magnet                                                                               | 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      |
| 5.2    | Soft-filled toys and soft-filled parts of a toy                                      | NA      |

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| Clause | Requirement                                                                  | Comment |
|--------|------------------------------------------------------------------------------|---------|
| 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 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      |
| 6      | Packaging                                                                    | NA      |
| 7      | Warnings, markings and instructions for use                                  |         |
| 7.1    | General                                                                      | NA      |
| 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, inlineskates and skateboards                                  | NA      |
| 7.11   | Toys intended to be attached to strung across a cradle, cot, or perambulator | NA      |
| 7.12   | Liquid-filled teethingers                                                    | 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 | Requirement                                                                        | Comment |
|--------|------------------------------------------------------------------------------------|---------|
| 7.22   | Toys with cords or chains intended for children of 18 months and over but under 36 | NA      |

Remark : No packaging was submitted for testing. Hence, clause 6 packaging and the labeling requirements of clause 7 Warnings, markings and instructions for use were not assessed.

## 2. Test specification: Flammability

Test method : EN71-2:2011+A1:2014

| Clause | Requirement                                                           | Comment |
|--------|-----------------------------------------------------------------------|---------|
| 4.1    | General                                                               | 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      |

NA = Not Applicable

## Sample description:

| No. | Specimen        | Description               |
|-----|-----------------|---------------------------|
| 001 | Eclipse glasses | Black lens                |
| 002 |                 | Red stripe optical frame* |

Note: “\*”Based on the applicant requests for sample mixed test. Report of mixed test results do not represent one single material content, the data is only for reference.

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**3. Test specification: Migration of certain elements**

Test method : EN 71-3:2013+A1:2014

Requirement : 2009/48/EC and its amendment 2012/7/EU

| Test Item             | MDL<br>(mg/kg) | Limit <sup>#3</sup><br>(mg/kg) | 001<br>(mg/kg) | 002<br>(mg/kg) |
|-----------------------|----------------|--------------------------------|----------------|----------------|
| Aluminium (Al)        | 50             | 70000                          | 656            | 160            |
| Antimony (Sb)         | 10             | 560                            | <10            | <10            |
| Arsenic (As)          | 10             | 47                             | <10            | <10            |
| Barium (Ba)           | 50             | 18750                          | <50            | <50            |
| Boron (B)             | 50             | 15000                          | <50            | <50            |
| Cadmium (Cd)          | 5              | 17                             | <5             | <5             |
| Chromium III (CrIII)* | 10             | 460                            | <10            | <10            |
| Chromium VI (CrVI)    | 0.2            | 0.2                            | <0.2           | <0.2           |
| Cobalt (Co)           | 10             | 130                            | <10            | <10            |
| Copper (Cu)           | 50             | 7700                           | <50            | <50            |
| Lead (Pb)             | 10             | 160                            | <10            | <10            |
| Manganese (Mn)        | 50             | 15000                          | <50            | <50            |
| Mercury (Hg)          | 10             | 94                             | <10            | <10            |
| Nickel (Ni)           | 50             | 930                            | <50            | <50            |
| Selenium (Se)         | 10             | 460                            | <10            | <10            |
| Strontium (Sr)        | 50             | 56000                          | <50            | <50            |
| Tin (Sn)              | 50             | 180000                         | <50            | <50            |
| Organic tin           | 5              | 12                             | <5             | <5             |
| Zinc (Zn)             | 50             | 46000                          | 89             | <50            |
| Conclusion            | --             | --                             | Pass           | Pass           |

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**Remark:**

- 1 MDL: Method Detection Limit
- 2 \*: Chromium III (CrIII) content equal to the content of total chromium minus hexavalent chromium content  
The Chromium (III) and Chromium (VI) content was reported as Chromium. Whenever the result of
- 3 Chromium exceeded the limit of Chromium (III) and Chromium (VI), confirmation test was performed.  
The Organic tin content was reported as tin unless specified.
- 4 #3: Regulatory Requirement for scraped-off materials

Main test instruments used for this method:

| Instrument | Manufactory      | Model / Type         |
|------------|------------------|----------------------|
| ICP-OES    | Agilent/Shimadzu | VISTA-MPX/ ICPE-9000 |
| GC-MS      | Agilent          | 7890B/5977A          |
| Uv-vis     | Agilent          | Cary100              |

**Annex:** Sample Photo



The results shown here refer only to the sample(s) tested, unless otherwise stated. This report can only be reproduced in full, not partially, except by explicit written permission of the laboratory.

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