



## Test Report

Report No. A2230104336101R1

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**Company Name** MID OCEAN BRANDS B.V.

**shown on Report**

**Address** 7/F, KINGS TOWER, 111 KING LAM STREET, CHEUNG SHA WAN, KOWLOON, HONG KONG

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

|                              |                                             |
|------------------------------|---------------------------------------------|
| Sample Name                  | Set of 4 erasers in Cotton Bag              |
| Item No.                     | CX1526                                      |
| Buyer                        | Mid Ocean Brands B.V.                       |
| Supplier                     | 114276                                      |
| Country of Origin            | China                                       |
| Exported to                  | Europe                                      |
| Client Specified Age Grading | 3+                                          |
| Labeled Age Grading          | Not suitable for children under three years |
| Age Group Applied in Testing | Over 3 years                                |
| Sample Received Date         | Mar. 13, 2023                               |
| Sample Resubmitted Date      | Mar. 29, 2023/ Apr. 3, 2023                 |
| Testing Period               | Mar. 13, 2023 to Mar. 27, 2023              |

### Test Conducted:

As requested by the applicant. For details refer to next page(s)



Approved by

*Victor Wang*

Victor Wang

Lab Manager

Date  
Apr. 4, 2023

Centre Testing International Group Co., Ltd.

*Hill Zheng*

Hill Zheng

Technical Manager

No. T517957979

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**Executive Summary:****TEST REQUEST****CONCLUSION**

|                                                                                      |             |
|--------------------------------------------------------------------------------------|-------------|
| 1) EN 71-1:2014+A1:2018 European Standard on Safety of Toys                          |             |
| - Mechanical and Physical Properties                                                 | <b>PASS</b> |
| 2) EN 71-2:2020 European Standard on Safety of Toys                                  |             |
| - Flammability                                                                       | <b>PASS</b> |
| 3) EN 71-3:2019+A1:2021 European Standard on Safety of Toys                          |             |
| - Migration of certain elements                                                      | <b>PASS</b> |
| 4) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with<br>Amendment(s) |             |
| - Cadmium and its compounds                                                          | <b>PASS</b> |
| - Polycyclic Aromatic Hydrocarbons (PAHs)                                            | <b>PASS</b> |
| - Phthalates in plasticized materials                                                | <b>PASS</b> |

\*\*\*\*\* For further details, please refer to the following page(s) \*\*\*\*\*

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1) **EN 71-1:2014+A1:2018 European Standard on Safety of Toys**

▼ **Mechanical and Physical Properties**

As specified in European Standard on Safety of Toys EN 71 part 1:2014+A1:2018.

| <u>Clause</u> | <u>Description</u>                                   | <u>Assessment</u> |
|---------------|------------------------------------------------------|-------------------|
| 4             | General requirements                                 |                   |
| 4.1           | Material cleanliness.....                            | Pass              |
| 4.4           | Toy bags.....                                        | N/A               |
| 4.7           | Edges.....                                           | Pass              |
| 4.8           | Points and metallic wires.....                       | Pass              |
| 7             | Warnings, markings and instructions for use          |                   |
| 7.1           | General .....                                        | Pass              |
| 7.2           | Toys not intended for children under 36 months ..... | Pass              |

(Remark : Small part(s) was(were) found before abuse test. It is acceptable because appropriate age warning was found on the packaging.)

Annex  
A.33 Warnings, markings and instructions for use

| <u>Check points</u>           | <u>Location where the information is</u> |                     |
|-------------------------------|------------------------------------------|---------------------|
|                               | <u>On toy</u>                            | <u>On packaging</u> |
| CE Mark                       | √                                        | √                   |
| Product ID                    | √                                        | √                   |
| Manufacturer's Name & Address | √                                        | √                   |
| Importer's Name & Address     | √                                        | √                   |

Remark:

- ①: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principle set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging.
- ②: The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.
- ③: The manufacturer must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

N/A = Not Applicable

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Note:

- Only applicable clause(s) was/ were shown.
- Result(s) shown of tested clause(s) (7) and Annex A.33 is/are based on resubmitted sample(s)/ part material(s).

## 2) EN 71-2:2020 European Standard on Safety of Toys

### ▼ Flammability

As specified in European Standard on Safety of Toys EN 71-2:2020.

| <u>Clause</u> | <u>Description</u>                                                                                                                                                                                                                                                                                                                                        | <u>Assessment</u> |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 4             | Requirements                                                                                                                                                                                                                                                                                                                                              |                   |
| 4.1           | General requirements .....<br>(The following materials shall not be used in the manufacture of toys except as provided in EN 71-2:2020:<br>Celluloid, highly flammable solids, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.) | Pass              |

Note:

- Only applicable clause(s) was/ were shown.

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### 3) EN 71-3:2019+A1:2021 European Standard on Safety of Toys

#### ▼ Migration of certain elements

Method(s) EN 71-3:2019+A1:2021 was/were used, and the item(s) was/were analyzed by ICP-OES, ICP-MS, IC-UV and/or GC-MS.

#### Category III: scraped-off toy material

| <u>Tested Item(s)</u> | <u>Result (mg/kg)</u> |      |      |      |      | <u>MDL</u><br>(mg/kg) | <u>Limit</u><br>(mg/kg) |
|-----------------------|-----------------------|------|------|------|------|-----------------------|-------------------------|
|                       | 001                   | 002  | 003  | 004  | 005  |                       |                         |
| Aluminium (Al)        | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 28130                   |
| Antimony (Sb)         | N.D.                  | N.D. | N.D. | N.D. | N.D. | 5                     | 560                     |
| Arsenic (As)          | N.D.                  | N.D. | N.D. | N.D. | N.D. | 5                     | 47                      |
| Barium (Ba)           | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 18750                   |
| Boron (B)             | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 15000                   |
| Cadmium (Cd)          | N.D.                  | N.D. | N.D. | N.D. | N.D. | 1                     | 17                      |
| Chromium (III) #1     | N.D.                  | N.D. | N.D. | N.D. | N.D. | 0.2                   | 460                     |
| Chromium (VI)         | N.D.                  | N.D. | N.D. | N.D. | N.D. | 0.002                 | 0.053                   |
| Cobalt (Co)           | N.D.                  | N.D. | N.D. | N.D. | N.D. | 5                     | 130                     |
| Copper (Cu)           | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 7700                    |
| Lead (Pb)             | N.D.                  | N.D. | N.D. | N.D. | N.D. | 1                     | 23                      |
| Manganese (Mn)        | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 15000                   |
| Mercury (Hg)          | N.D.                  | N.D. | N.D. | N.D. | N.D. | 5                     | 94                      |
| Nickel (Ni)           | N.D.                  | N.D. | N.D. | N.D. | N.D. | 5                     | 930                     |
| Selenium (Se)         | N.D.                  | N.D. | N.D. | N.D. | N.D. | 5                     | 460                     |
| Strontium (Sr)        | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 56000                   |
| Tin (Sn) #2           | N.D.                  | N.D. | N.D. | N.D. | N.D. | 2                     | 180000                  |
| Organic tin (TBT) #3  | N.D.                  | N.D. | N.D. | N.D. | N.D. | 0.05                  | 12                      |
| Zinc (Zn)             | N.D.                  | N.D. | N.D. | N.D. | N.D. | 50                    | 46000                   |

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| <u>Tested Item(s)</u> | <u>Result (mg/kg)</u> | <u>MDL</u> | <u>Limit</u> |
|-----------------------|-----------------------|------------|--------------|
|                       | 006                   | (mg/kg)    | (mg/kg)      |
| Aluminium (Al)        | N.D.                  | 50         | 28130        |
| Antimony (Sb)         | N.D.                  | 5          | 560          |
| Arsenic (As)          | N.D.                  | 5          | 47           |
| Barium (Ba)           | N.D.                  | 50         | 18750        |
| Boron (B)             | N.D.                  | 50         | 15000        |
| Cadmium (Cd)          | N.D.                  | 1          | 17           |
| Chromium (III) #1     | N.D.                  | 0.2        | 460          |
| Chromium (VI)         | N.D.                  | 0.002      | 0.053        |
| Cobalt (Co)           | N.D.                  | 5          | 130          |
| Copper (Cu)           | N.D.                  | 50         | 7700         |
| Lead (Pb)             | N.D.                  | 1          | 23           |
| Manganese (Mn)        | N.D.                  | 50         | 15000        |
| Mercury (Hg)          | N.D.                  | 5          | 94           |
| Nickel (Ni)           | N.D.                  | 5          | 930          |
| Selenium (Se)         | N.D.                  | 5          | 460          |
| Strontium (Sr)        | N.D.                  | 50         | 56000        |
| Tin (Sn) #2           | N.D.                  | 2          | 180000       |
| Organic tin (TBT) #3  | N.D.                  | 0.05       | 12           |
| Zinc (Zn)             | N.D.                  | 50         | 46000        |

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- #1 Trivalent chromium (Cr (III)) = Chromium (Cr) - Hexavalent chromium (Cr (VI)).
- #2 Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2019+A1:2021.

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- #3 The migration of organic tin is expressed as tributyltin (TBT). Where the tin content exceeded the limit of organic tin, eleven organic tins listed in the table were determined by GC-MS and the client should note there are other organic tins that may be present in toy materials.

|                                                |
|------------------------------------------------|
| Organic tins tested under EN 71-3:2019+A1:2021 |
| Methyl tin (MeT)                               |
| Butyl tin (BuT)                                |
| Dibutyl tin (DBT)                              |
| Tributyl tin (TBT)                             |
| Tetrabutyl tin (TeBT)                          |
| n-Octyl tin (MOT)                              |
| Di-n-octyl tin (DOT)                           |
| Di-n-propyl tin (DProT)                        |
| Diphenyl tin (DPhT)                            |
| Triphenyl tin (TPhT)                           |
| Dimethyl tin (DMT)                             |

#### 4) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)

##### ▼ Cadmium and its compounds

As specified in entry 23, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.552/2009 & No.494/2011 & No.835/2012 & No. 2016/217, method(s) EN 1122:2001(E) Method B was/were used, and the item(s) was/were analyzed by ICP-OES.

| <u>Tested Item(s)</u> | <u>Result (mg/kg)</u> |         | <u>MDL (mg/kg)</u> | <u>Limit (mg/kg)</u> |
|-----------------------|-----------------------|---------|--------------------|----------------------|
|                       | 001+002               | 003+004 |                    |                      |
| Cadmium (Cd)          | N.D.                  | N.D.    | 2                  | 100                  |

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

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## ▼ Polycyclic Aromatic Hydrocarbons (PAHs)

As specified in entry 50, annex XVII of European regulation (EC) No.1907/2006 (REACH) with amendments No.552/2009 & No.1272/2013, method(s) AfPS GS 2019:01 PAK was/were used, and the item(s) was/were analyzed by GC-MS.

| Tested Item(s)         | CAS No.  | Result (mg/kg) |         | MDL<br>(mg/kg) | Limit<br>(mg/kg) |
|------------------------|----------|----------------|---------|----------------|------------------|
|                        |          | 001+002        | 003+004 |                |                  |
| Benzo[a]anthracene     | 56-55-3  | N.D.           | N.D.    | 0.2            | 0.5              |
| Chrysene               | 218-01-9 | N.D.           | N.D.    | 0.2            | 0.5              |
| Benzo[b]fluoranthene   | 205-99-2 | N.D.           | N.D.    | 0.2            | 0.5              |
| Benzo[k]fluoranthene   | 207-08-9 | N.D.           | N.D.    | 0.2            | 0.5              |
| Benzo[a]pyrene         | 50-32-8  | N.D.           | N.D.    | 0.2            | 0.5              |
| Dibenzo[a,h]anthracene | 53-70-3  | N.D.           | N.D.    | 0.2            | 0.5              |
| Benzo[j]fluoranthene   | 205-82-3 | N.D.           | N.D.    | 0.2            | 0.5              |
| Benzo[e]pyrene         | 192-97-2 | N.D.           | N.D.    | 0.2            | 0.5              |

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

## ▼ Phthalates in plasticized materials

As specified in entry 51 & entry 52, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009 & No. 2015/326 & (EU) 2018/2005, method(s) EN 14372:2004 was/were used, and the item(s) was/were analyzed by GC-MS.

| Tested Item(s)                   | Result (mg/kg) |         | MDL<br>(mg/kg) | Limit<br>(mg/kg) |
|----------------------------------|----------------|---------|----------------|------------------|
|                                  | 001+002        | 003+004 |                |                  |
| Di-2-ethylhexyl Phthalate (DEHP) | N.D.           | N.D.    | 30             | 1000             |
| Dibutyl Phthalate (DBP)          | N.D.           | N.D.    | 30             | 1000             |
| Benzylbutyl Phthalate (BBP)      | N.D.           | N.D.    | 30             | 1000             |
| Di-isobutyl Phthalate (DIBP)     | N.D.           | N.D.    | 30             | 1000             |
| SUM(DEHP+DBP+BBP+ DIBP)          | N.D.           | N.D.    | --             | 1000             |
| Diisononyl Phthalate (DINP)      | N.D.           | N.D.    | 50             | --               |
| Di-n-octyl Phthalate (DNOP)      | N.D.           | N.D.    | 30             | --               |
| Diisodecyl Phthalate (DIDP)      | N.D.           | N.D.    | 50             | --               |
| SUM(DINP+DNOP+DIDP)              | N.D.           | N.D.    | --             | 1000             |



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**Remark:**

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- The limit for composite test should be divided by the mixed number.

**Tested Sample/Part Description**

| No. | CTI Sample ID | Description                      |
|-----|---------------|----------------------------------|
| 1   | 001           | Multi-color plastic(tree)        |
| 2   | 002           | Multi-color plastic(Santa Claus) |
| 3   | 003           | Multi-color plastic(snowman)     |
| 4   | 004           | Blue/white plastic(snowflake)    |
| 5   | 005           | Beige fabric(bag)                |
| 6   | 006           | Beige cord(bag)                  |

**Note:**

- This testing report revised “7.1&7.2, Annex A.33” based on the original report of No. A2230104336101.  
This testing report displaces the original one which was invalid since the date of this testing report released.

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## Photo(s) of the sample(s)



### Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;

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