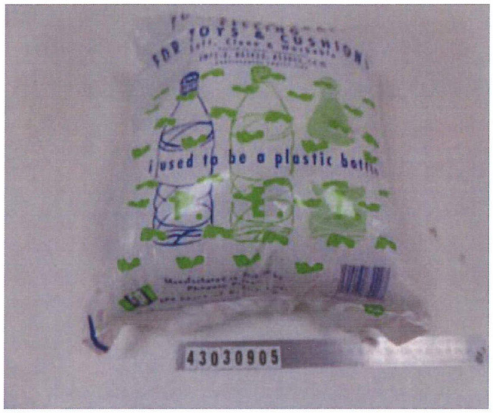
eurofins | Modern Testing Services

# *Laboratory Test Report*

**REPORT NUMBER:** **43030905** **PAGE:** **1 of 9**

| | | | |
|---|---|---|---|
| **Prepared for:** | Oddies Textiles | | |
| | RECYCLED FILLING | | |
| | 1 | | |
| | 09/03/2023 | | |
| **Sample described as:** | Supplied in a sealed plastic bag | | |
| **Number of samples:** | visibly undamaged condition. | **Reference number(s):** | 5060405870207 |
| **Date received:** | | **Date(s) tested:** | 09/03/2023 - 15/03/2023 |
| **Packaging:** | | **Declared age:** | N/S |
| **Condition:** | | **Tested age grade:** | N/A |
| **Batch:** | | **PO/Order number:** | N/S |
| **Description:** | Recycled polyester craft filling for toys & cushions | | |

**Photo of submitted sample**




**UKAS Accreditation is claimed via the laboratory's flexible scope.**

The minimum average plastic sheeting thickness was less than 0.038 mm.

*Prepared by*

S. Kirkland

Gareth Kirkland, Technical Services Manager

*For and on behalf of*
**Eurofins MTS Consumer Product Testing UK Ltd**

Mathew Boddy, Analytical Lab Supervisor
Date: 15/03/2023



UKAS TESTING
1428

| TEST RESULT SUMMARY | |
|---|---|
| **Test requested** | **Result** |
| Total Cadmium – Entry 23 of Annex XVII or REACH regulation (EC) 1907/2006 as amended by Commission Regulation 494/2011 and 835/2012 | **PASS** |
| EN71-1:2014+A1:2018 Mechanical & Physical | **FAIL** |
| EN71-2:2020 Flammability | **PASS** |
| EN71-3:2019+A1:2021 Migration of certain elements | **PASS** |

**COMPONENT BREAKDOWN LIST:**

| Test Item | Component description |
|---|---|
| A | Recycled filling |

# *Laboratory Test Report*



## TEST RESULTS

Total Cadmium – Entry 23 of Annex XVII or REACH regulation (EC) 1907/2006 as amended by Commission Regulation 494/2011 and 835/2012

| Sample | Type | Cadmium (mg/kg) | | Conclusion |
|---|---|---|---|---|
| | | Requirement | Result | |
| A | Other materials | 100 | < 20 | PASS |

Method: CPSC-CH-E1002-08.3:2008 (lead in childrens non-metal products) using HD-XRF

Notes: mg/kg = milligram per kilogram
"<" = less than

UoM: Cadmium XRF: ± 13.9% ICP: ± 4.11%

## CONCLUSION

The samples requested for testing contained cadmium **below** the cadmium content limit given in Cadmium requirement (no. 23) of Annex XVII of Regulation (EC) 1907/2006 as amended by Commission Regulation 494/2011 and 835/2012.

EN 71-1:2014+A1:2018 Mechanical & Physical

### 4.1 Material Cleanliness

Toy and its materials were visually clean and free from infestation.

### 4.7 Edges

No accessible sharp edges or hazardous burrs were found.

### 4.8 Points and metallic wires

No technically accessible wires or sharp points were found.

### 6 Packaging

Packaging is defined as material accompanying a toy with no intended play function.

The plastic packaging bag had dimensions of greater than 100 mm by 100 mm, therefore the minimum average plastic sheeting thickness must not be less than 0.038 mm, the average plastic sheeting thicknesses was 0.027 mm.

### 7.1 Labelling - General

Warning required and:

Must not be misleading or incorrect in its wording.

There must be no conflict between the warning and the intended use of the toy.

Must be preceded by "Warning".

Must be visible, easily legible, understandable and accurate.

Must be on the toy itself, the packaging or on instructions for use.

Must be visible at the time of purchase.

~~~End of page~~~

Prepared by Gareth Kirkland on 15 March 2023 Signature: G. Kirkland
~~~

**7.2 Labelling - Toys not intended for under 36 months**

The toy requires a small parts choking hazard warning, for example -

"Warning! Not suitable for children under 3 years due to small parts - Choking hazard."

that should be clearly legible at the point of sale.

The filling material was a small part.

**7.3-7.26 Labelling - Specific warnings**

The toy was not of a type that requires a specific warning.

~~~End of page~~~

Prepared by Gareth Kirkland on 15 March 2023 Signature: G. Kirkland
~~~

EN 71-2:2020 Flammability

**4.1 General requirements**

No celluloid or material with the same behaviour in fire present.

No material with a pile surface present.

No flammable gases, extremely flammable liquids or prohibited highly flammable liquids, flammable liquids or flammable gels were contained by the toy.

~~~End of page~~~

Prepared by Gareth Kirkland on 15 March 2023 Signature: G. Kirkland
~~~

| Category III - Scraped off material | |
|---|---|

The EN 71-3 screening test used by MTS (UK) tests for the migration of 16 of the 19 'elements' restricted by EN 71-3:2019+A1:2021;

It does not test for the presence of chromium III, chromium VI or organic tin specifically, it does however test for chromium and tin and compliance with the limits for chromium III, chromium VI or organic tin may be inferred from low results from these analyses (see below).

A. Filling

The material(s) complied with the limits of the 16 elements specifically analysed for (see analysis table).

The migration of tin from the sample(s) was determined to be not greater than 4.9 mg/kg, which, when expressed in the form of tributyl tin, would not be greater than the organic tin limit of 12 mg/kg, the material(s) can therefore be inferred as complying with the organic tin limit.

The migration of chromium from the sample(s) was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.053 mg/kg, the material(s) can therefore be inferred as complying with the chromium III and chromium VI limits.

~~~End of page~~~

Prepared by Gareth Kirkland on 15 March 2023 Signature: G. Kirkland
~~~

Method of test: EN 71-3:2019 + A1:2021 Migration of certain element

# ANALYSIS RESULTS

Category 3

Date of test: 13/03/2023

Samples marked * were sieved, those marked # were centrifuged. Details of additional acid required to lower pH and solvent used for extraction appear in [ ] in sample description.
Deviations from standard method: pH of conventional polymers and textiles not checked; samples only filtered if required to prevent ICP blockages.
Solid to acid extractant ratio exceeded 1:50 with sample weights below 100 mg and when additional acid was used to lower pH.
Quantities of soluble metals determined by inductively coupled plasma spectroscopy.
Test results marked ^ are within the area to which uncertainty of measurement applies & compliance/non-compliance cannot be inferred.

| | Metals | Al | Sb | As | Ba | B | Cd | Cr | Co | Cu | Pb | Mn | Hg | Ni | Se | Sr | Sn | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limits | 28130 | 560 | 47 | 18750 | 15000 | 17 | 460.053 | 130 | 7700 | 23 | 15000 | 94 | 930 | 460 | 56000 | 180000 | 46000 |
| | Wt (Mg) | | | | | | | | | | | | | | | | | |
| A | 195 | < 3 | 1.5 | < 0.3 | < 2 | < 4 | < 0.03 | < 0.030 | < 0.1 | < 1 | < 0.3 | < 1 | < 0.3 | < 1 | < 3 | < 0.5 | < 2 | 2 |
| | END OF SAMPLES | | | | | | | | | | | | | | | | | |
| | Uncert% | 20.62 | 33.17 | 24.50 | 33.17 | 20.62 | 24.50 | 24.50 | 24.50 | 20.62 | 33.17 | 20.62 | 33.17 | 24.50 | 24.50 | 20.62 | 33.17 | 20.62 |

Prepared by Gareth Kirkland Date: 15 March 2023 Signature: G. Kirkland

**ANNEX A: DECISION RULES**

| | |
|---|---|
| Rule 1 | Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx':<br><br>The use of constrained simple acceptance based on the difference between the stated limit (requirement) and the reported test result being greater than the measurement uncertainty (U) for a conformity probability of 95%. The risk of false accept or false reject is <= 2.5% |
| Rule 2 | Applicable to any requirement stated to be a range (e.g. XXX to YYY or AAA ± B):<br><br>The use of constrained simple acceptance based on the difference between the stated upper or lower limit (requirement) and the reported test result being greater than the measurement uncertainty (U) for a conformity probability of 95%. The risk of false accept or false reject is <= 2.5% |
| Rule 3 | For tests based on subjective grading of a result using a 9-point scale (e.g. colour fastness, pilling, etc):<br><br>Simple acceptance based on the test uncertainty ratio (T.U.R.) being ?4. The risk of false accept or false reject is up to 50% but will be reduced the further the reported result is away from the stated requirement. |
| Rule 4 | IFor tests based on a subjective assessment of a property (e.g. whether a component detaches or not):<br><br>Simple acceptance based upon the conditions of testing falling within the criteria for test set out in the test method within a conformance probability of 95%. The risk of false accept or false reject of the testing conditions not meeting the specified requirements is 2.5%. |
| Rule 5 | If a validated test method (e.g. BS EN ISO standard) indicates that the measurement uncertainty has already been taken into account when calculating the test result then results may be reported using simple acceptance without the need for the application of the relevant decision rule set out above. |

The above rules will be applied by default unless we have agreed a decision rule to the contrary. Eurofins MTS Consumer Product Testing UK Limited reserves the right to refuse to apply decision rules that do not satisfy the requirements of ISO 17025:2017. Unless otherwise stated in the report text above, uncertainty of measurement values are available upon request.