


80% POLYESTER 20% COTTON PRINTS

Applicant: Mr J. Bank  
 Arista (UK) Ltd t/a Oddies Textiles  
 Unit 3 Bank House  
 Greenfield Road  
 Colne  
 Lancs  
 BB8 9NL

	MTS Lab Reference:	<b>39090512</b>
	Report Date:	11/09/19
	Number of Samples:	5
	Received on:	05/09/19
	Condition received:	Supplied without packaging visibly undamaged condition.

Five textile samples;

- "TC0005"
- "TC0009"
- "TC0016 Green"
- "TC0881 Grey"
- "TCP885 Green"

**The migration of chromium from at least one of the samples was greater than the chromium VI limit of 0.053 mg/kg, full compliance cannot be inferred without chromium VI analysis as required.**

**RESULTS**

Partial EN 71-3:2013+A3:2018 Migration of certain elements	<b>PASS</b>
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Prepared by G. S. Kirkland

Date: 11th September, 20 Signature: *G. Kirkland*

Authorised on behalf of MTS

by G. S. Kirkland, Lab Manager

Date: 11th September, 20 Signature: *G. Kirkland*

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This report is issued in accordance with MTS (UK)'s terms and conditions which are available on request.

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Registered Company 7337435

VAT Registration Number: 997452852

## Partial EN 71-3:2013+A3:2018 Migration of certain elements

**Category III - Scraped off material****PASS**

The Partial (18 element) EN 71-3 screening test tests for the migration of 16 of the 19 'elements' restricted by EN 71-3:2013+A3:2018;

Please note that a new chromium VI limit of 0.053 mg/kg, imposed by EU Directive 2018/725 will come into force on 18 November 2019, applicable to toys which are placed on the market from this date. This has been applied to the samples tested; if inapplicable, this can be reverted to the previous limit of 0.2 mg/kg on request.

The migration of chromium from at least one of the samples was greater than the chromium VI limit of 0.053 mg/kg, full compliance cannot be inferred without chromium VI analysis as required.

Compliance with the chromium III and organic tin limits may be inferred from low results from these analyses (see below).

- A. TCP0885 Green
- B. TCP0885 Red
- C. TCP0885 White
- D. TCP0881 Grey
- E. TCP0881 White
- F. TC0016 Green
- G. TC0016 Brown
- H. TC0016 Dark Brown
- I. TC0016 Beige
- J. TC0016 Blue
- K. TC0016 Navy
- L. TC0016 Dark Green
- M. TC0016 Yellow
- N. TC0009 Orange
- O. TC0009 Black
- P. TC0009 Red
- Q. TC0009 Green/Brown rep.
- R. TC0005 Red
- S. TC0005 Purple
- T. TC0005 Light Green
- U. TC0005 Dark Blue
- V. TC0005 Light Blue
- W. TC0005 Yellow
- X. TC0005 Orange
- Y. TC0005 Black

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

The migration of chromium from the sample(s) was not greater than the chromium III limit of 460 mg/kg, the material(s) can therefore be inferred

## Partial EN 71-3:2013+A3:2018 Migration of certain elements

**Category III - Scraped off material (continued)****PASS**

as complying with the chromium III limit.

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.

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Method of test: Partial EN 71-3:2013+A3:2018 Migration of certain el

ANALYSIS RESULTS

Category 3

Date of test: 10/09/19

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  | 70000          | 560 | 47  | 18750 | 15000 | 17  | 460.2 | 130   | 7700 | 23  | 15000 | 94  | 930 | 460 | 56000 | 180000 | 46000 |     |
| Wt (Mg) |                |     |     |       |       |     |       |       |      |     |       |     |     |     |       |        |       |     |
| A       | 203            | 11  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.096 | < 5  | 5   | 1.9   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| B       | 182            | 6   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.049 | < 5  | < 5 | 0.4   | < 5 | < 1 | 6   | < 5   | < 5    | < 1.0 | < 5 |
| C       | 166            | 7   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.008 | < 5  | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| D       | 129            | 11  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.044 | < 5  | < 5 | 2.0   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| E       | 107            | 14  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.022 | < 5  | < 5 | 0.5   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| F       | 138            | 8   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.026 | < 5  | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| G       | 130            | 14  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.039 | < 5  | < 5 | 0.2   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| H       | 115            | < 5 | < 5 | < 1   | < 5   | < 5 | < 1   | 0.032 | < 5  | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| I       | 121            | 10  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.056 | < 5  | < 5 | 1.5   | < 5 | < 1 | 23  | < 5   | < 5    | < 1.0 | < 5 |
| J       | 151            | < 5 | < 5 | < 1   | < 5   | < 5 | < 1   | 0.019 | < 5  | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| K       | 71             | 15  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.201 | < 5  | < 5 | 1.3   | < 5 | < 1 | 32  | < 5   | < 5    | < 1.0 | < 5 |
| L       | 115            | 11  | < 5 | < 1   | 7     | < 5 | < 1   | 0.098 | < 5  | < 5 | 0.4   | < 5 | < 1 | 12  | < 5   | < 5    | < 1.0 | < 5 |
| M       | 39             | 8   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.006 | < 5  | < 5 | 0.3   | < 5 | < 1 | 11  | < 5   | < 5    | < 1.0 | < 5 |
| N       | 113            | 11  | < 5 | < 1   | 27    | < 5 | < 1   | 0.075 | < 5  | < 5 | 0.5   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| O       | 131            | 9   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.139 | < 5  | < 5 | 1.3   | < 5 | < 1 | 13  | < 5   | < 5    | < 1.0 | < 5 |
| P       | 116            | < 5 | < 5 | < 1   | 8     | < 5 | < 1   | 0.051 | < 5  | < 5 | 0.2   | < 5 | < 1 | 8   | < 5   | < 5    | < 1.0 | < 5 |
| Q       | 172            | < 5 | < 5 | < 1   | < 5   | < 5 | < 1   | 0.056 | < 5  | < 5 | 0.1   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| R       | 196            | 14  | < 5 | < 1   | 9     | < 5 | < 1   | 0.104 | < 5  | < 5 | 0.5   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | 6   |
| S       | 195            | 10  | < 5 | < 1   | 7     | < 5 | < 1   | 0.126 | < 5  | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | 7   |
| T       | 194            | 8   | < 5 | < 1   | 12    | < 5 | < 1   | 0.064 | < 5  | 10  | 0.2   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| U       | 190            | 9   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.153 | < 5  | 6   | 0.1   | < 5 | < 1 | 7   | < 5   | < 5    | < 1.0 | < 5 |
| V       | 197            | 11  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.046 | < 5  | < 5 | 0.4   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| W       | 198            | 13  | < 5 | < 1   | < 5   | < 5 | < 1   | 0.051 | < 5  | < 5 | 0.4   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| X       | 198            | 10  | < 5 | < 1   | 33    | < 5 | < 1   | 0.050 | < 5  | < 5 | 0.4   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
| Y       | 113            | < 5 | < 5 | < 1   | < 5   | < 5 | < 1   | 0.072 | < 5  | < 5 | 0.4   | < 5 | < 1 | < 5 | < 5   | < 5    | < 1.0 | < 5 |
|         | END OF SAMPLES |     |     |       |       |     |       |       |      |     |       |     |     |     |       |        |       |     |

