


100% POLYESTER ANTIPIIL FLEECE PR - FC0013/22/24/25

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

	MTS Lab Reference:	39090507
	Report Date:	11/09/19
	Number of Samples:	4
	Received on:	05/09/19
	Condition received:	Supplied without packaging visibly undamaged condition.

Samples of fleece textile; Red heart design, pink rabbit design, blue and red UK flag design and Beige and orange fox design.

RESULTS

EN 71-3:2013+A3:2018 Migration of certain elements	PASS
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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.

Modern Testing Services (UK) Limited

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EN 71-3:2013+A3:2018 Migration of certain elements**Category III - Scraped off material****PASS**

The EN 71-3 screening test used by MTS (UK) tests for the migration of 16 of the 19 'elements' restricted by EN 71-3:2013+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 these results

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. FC0024 Red
- B. FC0024 Blue
- C. FC0024 White
- D. FC0025 Pink
- E. FC0025 White
- F. FC0022 Red
- G. FC0022 White
- H. FC0013 Beige
- I. FC0013 Orange
- J. FC0013 White
- K. FC0013 Black

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.

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

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)        | Al  | Sb  | As  | Ba  | B   | Cd  | Cr      | Co  | Cu  | Pb    | Mn  | Hg  | Ni  | Se  | Sr  | Sn    | Zn  |
|---|----------------|-----|-----|-----|-----|-----|-----|---------|-----|-----|-------|-----|-----|-----|-----|-----|-------|-----|
| A | 180            | 16  | 5   | < 1 | < 5 | < 5 | < 1 | 0.039   | < 5 | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| B | 206            | 13  | 7   | < 1 | < 5 | < 5 | < 1 | 0.036   | < 5 | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| C | 216            | 11  | 7   | < 1 | < 5 | < 5 | < 1 | 0.010   | < 5 | < 5 | 0.2   | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| D | 226            | < 5 | < 5 | < 1 | < 5 | < 5 | < 1 | < 0.001 | < 5 | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| E | 94             | 6   | 8   | < 1 | < 5 | < 5 | < 1 | < 0.001 | < 5 | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| F | 192            | 9   | < 5 | < 1 | < 5 | < 5 | < 1 | 0.012   | < 5 | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| G | 196            | 9   | < 5 | < 1 | < 5 | < 5 | < 1 | 0.012   | < 5 | < 5 | 0.4   | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| H | 206            | < 5 | 5   | < 1 | < 5 | < 5 | < 1 | < 0.001 | < 5 | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| I | 215            | < 5 | 22  | < 1 | < 5 | < 5 | < 1 | 0.018   | < 5 | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5 | < 5 | 1.4   | < 5 |
| J | 201            | < 5 | 17  | < 1 | < 5 | < 5 | < 1 | 0.025   | < 5 | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
| K | 197            | < 5 | 34  | < 1 | < 5 | < 5 | < 1 | 0.025   | < 5 | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |
|   | END OF SAMPLES |     |     |     |     |     |     |         |     |     |       |     |     |     |     |     |       |     |

