

## Laboratory Test Report

**REPORT NUMBER:** 43062001

**PAGE:**
**1 of 5**

**Prepared for:** Mr J. Bank  
 Oddies Textiles, Unit 3, Bank House  
 Greenfield Road, Colne  
 Lancashire  
 BB8 9NL

**Sample described as:** PLAIN ANTIPIL POPLAR FLEECE

**Number of samples:** 3

**Date received:** 20/06/2023

**Packaging:** Supplied without packaging

**Condition:** visibly undamaged condition.

**Batch:** N/S

**Description:** Flo yellow, Black, Cerise fleece

**Reference number(s):**

ES012

**Date(s) tested:**

20/06/2023 - 05/07/2023

**Declared age:**

N/A

**Tested age grade:**

N/A

**PO/Order number:**

JAY1509A

### Photo of submitted sample



*Prepared by*



Joanna Wolan, Analytical Chemist

*For and on behalf of*

**Eurofins MTS Consumer Product Testing UK Ltd**



Mathew Boddy, Analytical Lab Supervisor

Date: 05/07/2023

The results herein relate only to the items tested. This report is issued in accordance with Eurofins MTS Consumer Product Testing UK Ltd's terms and conditions which are available on request.



1428

Eurofins MTS Consumer Product Testing UK Ltd  
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 Registered No. 7337435 VAT No. 887127683



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TEST RESULT SUMMARY	
Test requested	Result
EN 71-3:2019 + A1:2021 – Migration of Certain Elements	PASS

Note: The above testing was performed by a Eurofins Global partner lab.

The PASS result refers only to the materials analysed.

**COMPONENT BREAKDOWN LIST:**

Test Item	Component description	Material
A	3x fleece fabrics	
A1	Cerise	Category III
A2	Flo yellow	Category III
A3	Black	Category III



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### TEST RESULTS

#### EN 71-3:2019 + A1:2021 – Migration of Certain Elements

Analyte		Results (mg/kg)									
		A1	A2	A3	-	-	-	-	-	-	-
Aluminium	Al	2.2	<3	3.0	-	-	-	-	-	-	-
Antimony	Sb	1.4	1.3	11	-	-	-	-	-	-	-
Arsenic	As	<0.3	<0.3	<0.3	-	-	-	-	-	-	-
Barium	Ba	<2	<2	<2	-	-	-	-	-	-	-
Boron	B	<4	<4	<4	-	-	-	-	-	-	-
Cadmium	Cd	<0.03	<0.03	<0.03	-	-	-	-	-	-	-
Chromium	Cr	0.12	0.11	0.12	-	-	-	-	-	-	-
Cobalt	Co	<0.1	<0.1	<0.1	-	-	-	-	-	-	-
Copper	Cu	<1	<1	<1	-	-	-	-	-	-	-
Lead	Pb	<0.3	<0.3	<0.3	-	-	-	-	-	-	-
Manganese	Mn	<1	<1	<1	-	-	-	-	-	-	-
Mercury	Hg	<0.3	<0.3	<0.3	-	-	-	-	-	-	-
Nickel	Ni	<1	<1	<1	-	-	-	-	-	-	-
Selenium	Se	<3	<3	<3	-	-	-	-	-	-	-
Strontium	Sr	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Tin	Sn	<2	<2	<2	-	-	-	-	-	-	-
Zinc	Zn	1.5	1.7	1.9	-	-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	-	-	-	-	-	-	-

Method: EN 71-3:2019 + A1:2021 using ICP-MS.

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

UoM:

Analyte	Uncertainty (%)	Analyte	Uncertainty (%)
Aluminium	20.62	Lead	33.17
Antimony	33.17	Manganese	20.62
Arsenic	24.50	Mercury	33.17
Barium	33.17	Nickel	24.50
Boron	20.62	Selenium	24.50
Cadmium	24.50	Strontium	20.62
Chromium	24.50	Tin	33.17
Cobalt	24.50	Zinc	20.62
Copper	20.62		

Limits:

Analyte	Cat. I	Cat. II	Cat. III	Analyte	Cat. I	Cat. II	Cat. III
Aluminium	2,250	560	28,130	Lead	2.0	0.5	23
Antimony	45	11.3	560	Manganese	1,200	300	15,000
Arsenic	3.8	0.9	47	Mercury	7.5	1.9	94
Barium	1,500	375	18,750	Nickel	75	18.8	930
Boron	1,200	300	15,000	Selenium	37.5	9.4	460
Cadmium	1.3	0.3	17	Strontium	4,500	1,125	56,000
Chromium III	37.5	9.4	460	Tin	15,000	3,750	180,000
Chromium VI	0.02	0.005	0.053	Organic Tin	0.9	0.2	12
Cobalt	10.5	2.6	130	Zinc	3,750	938	46,000
Copper	622.5	156	7,700				



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**CONCLUSION**

The EN 71-3 screening test performed by Eurofins Consumer Product Testing UK tests for the migration of 16 of the 19 elements restricted by EN 71-3:2019+A1:2021.

It does not analyse for the migration of chromium III, chromium VI, and organic tin, however, suitably low result for overall chromium and overall tin migration may be used to infer compliance with these limits.

Analysis of the sample(s) found that migration of the 16 elements restricted elements did not exceed the respective category limits, and therefore comply with the requirements of EN 71-3:2019+A1:2021.

Overall tin migration from the sample(s) was found to not exceed the in-house inference limit for organic tin and can therefore be inferred as complying with the requirement for organic tin.

Overall chromium migration from the sample(s) was found to not exceed the in-house inference limits for chromium III and chromium VI and can therefore be inferred as complying with the requirements for both.

The test results contained in this report relate only to the sample(s) submitted and may not relate to the bulk from which the sample has been taken. This report is issued in accordance with Eurofins Consumer Product Testing UK's terms and conditions which are available on request. This report shall not be reproduced other than in full without prior written approval by Eurofins Consumer Product Testing UK Ltd.

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



## Laboratory Test Report

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### ANNEX A: DECISION RULES

Rule 1	<p>Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx':</p> <p>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 <math>\leq 2.5\%</math></p>
Rule 2	<p>Applicable to any requirement stated to be a range (e.g. XXX to YYY or <math>AAA \pm B</math>):</p> <p>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 <math>\leq 2.5\%</math></p>
Rule 3	<p>For tests based on subjective grading of a result using a 9-point scale (e.g. colour fastness, pilling, etc):</p> <p>Simple acceptance based on the test uncertainty ratio (T.U.R.) being <math>\geq 4</math>. 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.</p>
Rule 4	<p>For tests based on a subjective assessment of a property (e.g. whether a component detaches or not):</p> <p>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%.</p>
Rule 5	<p>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.</p>


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.



# TEST REPORT

## 100% POLYESTER ANTIPIIL FLEECE PLAINS - ES012

**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>39090509</b>
	Report Date:	11/09/19
	Number of Samples:	3
	Received on:	05/09/19
	Condition received:	Supplied without packaging visibly undamaged condition.

Samples of fleece: "Flo Orange", "Ochre" and "Pink".

**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>
--	-------------

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*

Page 1 of 3 pages.

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

### Modern Testing Services (UK) Limited

Modern Testing Services (UK) Limited, 118 Lupton Avenue, Leeds, LS9 6ED, UK

Tel (44) 0844 556 5596 / 0113 240 7011 Fax: (44) 0113 240 9350 Email: [info@mts-uk.co.uk](mailto:info@mts-uk.co.uk) Website: [www.mts-uk.co.uk](http://www.mts-uk.co.uk)

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. ES012 Flo orange fabric
- B. ES012 Ochre fabric
- C. ES012 Pink fabric

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 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.

~~~End of page~~~

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.

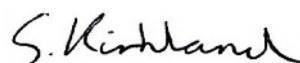
Deviations from standard method: pH of conventional polymers and textiles not checked; samples only filtered if required to prevent ICP blockages.

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              | 206   | 7   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.100 | < 5  | < 5 | 0.3   | < 5 | < 1 | < 5 | < 5   | < 1.0  | < 5   |
| B              | 208   | 9   | 6   | < 1   | < 5   | < 5 | < 1   | 0.158 | < 5  | < 5 | 0.5   | < 5 | < 1 | < 5 | < 5   | < 1.0  | < 5   |
| C              | 196   | 8   | < 5 | < 1   | < 5   | < 5 | < 1   | 0.084 | < 5  | < 5 | < 0.1 | < 5 | < 1 | < 5 | < 5   | < 1.0  | < 5   |
| END OF SAMPLES |       |     |     |       |       |     |       |       |      |     |       |     |     |     |       |        |       |





# TEST REPORT

## PLAIN FLEECE - ES012



### Applicant

Mr J. Bank  
Oddies Textiles  
Unit 3, Bank House  
Greenfield Road  
Colne  
Lancashire  
BB8 9NL

### Tests requested

EN 71-3:2013+A1:2014 Migration of certain elements

Number of samples: 1 received on 17th November, 2016.

Supplied without packaging in visibly undamaged condition.



### Product Description

Red fleece textile

**RESULTS**      **PASS**      EN 71-3:2013+A1:2014 Migration of certain elements

Prepared by G. S. Kirkland

Date: 21st November, 2016

Signature:

A handwritten signature in black ink, appearing to read 'G. S. Kirkland'.

Authorised on behalf of MTS

by G. S. Kirkland, Lab Manager. Date: 21st November, 2016

Signature:

A handwritten signature in black ink, appearing to read 'G. S. Kirkland'.

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## EN 71-3:2013+A1:2014 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;

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. Red fleece textile

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

The migration of tin from the sample 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 can therefore be inferred as complying with the organic tin limit.

The migration of chromium from the sample was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.2 mg/kg, the material can therefore be inferred as complying with the chromium III and chromium VI limits.

~~~End of page~~~



Method of test: EN 71-3:2013+A1:2014 Migration of certain element

## ANALYSIS RESULTS

Category 3

Date of test: 00/00/00

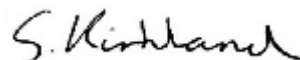
Samples marked \* were sieved, those marked # were centrifuged. Details of additional acid required to lower pH and solvent used for extraction appear in [ ] in sample description.  
 Deviations from standard method: pH of conventional polymers and textiles not checked; samples only filtered if required 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 | 160 | 15000 | 94  | 930 | 460 | 56000 | 180000 | 46000 |
|   | Wt (Mg)               |       |     |     |       |       |     |       |     |      |     |       |     |     |     |       |        |       |
| A | 214<br>END OF SAMPLES | < 5   | 20  | < 1 | < 5   | < 5   | < 1 | < 0.1 | < 5 | < 5  | < 5 | < 5   | < 1 | < 5 | < 5 | < 5   | < 1    | < 5   |

Prepared by G. S. Kirkland

Date: 21st November, 2016

Signature:



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# TEST REPORT

## PLAIN FLEECE - ES012



### Applicant

Mr J. Bank  
Oddies Textiles  
Unit 3, Bank House  
Greenfield Road  
Colne  
Lancashire  
BB8 9NL

### Tests requested

EN 71-3:2013+A1:2014 Migration of certain elements

Number of samples: 1 received on 17th November, 2016.

Supplied without packaging in visibly undamaged condition.



### Product Description

Blue fleece textile

**RESULTS**      **PASS**      EN 71-3:2013+A1:2014 Migration of certain elements

Prepared by G. S. Kirkland

Date: 21st November, 2016

Signature:

A handwritten signature in black ink, appearing to read 'G. S. Kirkland'.

Authorised on behalf of MTS

by G. S. Kirkland, Lab Manager. Date: 21st November, 2016

Signature:

A handwritten signature in black ink, appearing to read 'G. S. Kirkland'.

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## EN 71-3:2013+A1:2014 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;

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. Blue fleece textile

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

The migration of tin from the sample 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 can therefore be inferred as complying with the organic tin limit.

The migration of chromium from the sample was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.2 mg/kg, the material can therefore be inferred as complying with the chromium III and chromium VI limits.

~~~End of page~~~



Method of test: EN 71-3:2013+A1:2014 Migration of certain element

## ANALYSIS RESULTS

Category 3

Date of test: 00/00/00

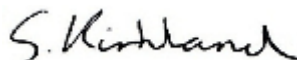
Samples marked \* were sieved, those marked # were centrifuged. Details of additional acid required to lower pH and solvent used for extraction appear in [ ] in sample description.  
 Deviations from standard method: pH of conventional polymers and textiles not checked; samples only filtered if required 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 | 160 | 15000 | 94  | 930 | 460 | 56000 | 180000 | 46000 |
|   | Wt (Mg)               |       |     |     |       |       |     |       |     |      |     |       |     |     |     |       |        |       |
| A | 210<br>END OF SAMPLES | < 5   | 25  | < 1 | < 5   | < 5   | < 1 | < 0.1 | < 5 | < 5  | < 5 | < 5   | < 1 | < 5 | < 5 | < 5   | < 1    | < 5   |

Prepared by G. S. Kirkland

Date: 21st November, 2016

Signature:



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Our Ref: SW/MG/RM

15 April 2015

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Oddies Textiles  
Unit 3 Bank House  
Greenfield Road  
Colne  
Lancashire  
BB8 9NL

Contact: Edward Bank

---

|                       |   |                |
|-----------------------|---|----------------|
| DATE RECEIVED         | : | 13 MARCH 2015  |
| QUALITY/REFERENCE     | : | E5012 – PURPLE |
| REPUTED FIBRE CONTENT | : | NOT GIVEN      |
| FABRIC DESCRIPTION    | : | WOVEN          |

---

REQUEST: EN71-3:2013 Toxicity

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COMMENTS: See report

---



**S. WISEMAN**  
**LABORATORY MANAGER**



**M. GRAINGER**  
**SENIOR TECHNOLOGIST**

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This test has been sub-contracted



| Category III Analysis results |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | <p style="text-align: right;"><b>PASS</b></p> <p><b>Category III - Scraped off material</b></p> <p>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;</p> <p>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).</p> <p><b>A. E5012 Purple</b></p> <p>The material complied with the limits of the 16 elements specifically analysed for (see analysis table).</p> <p>The migration of tin from the sample 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 can therefore be inferred as complying with the organic tin limit.</p> <p>The migration of chromium from the sample was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.2 mg/kg, the material can therefore be inferred as complying with the chromium III and chromium VI limits.</p> |



Our Ref: SW/MG/RM

15 April 2015

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**E5012 - Purple**

| Metal | Method                               | Limit  | Results |
|-------|--------------------------------------|--------|---------|
| Al    | Composite<br>BS EN 71-3:2013 Testing | 70000  | 6       |
| Sb    |                                      | 560    | <5      |
| As    |                                      | 47     | <1      |
| Ba    |                                      | 18750  | <5      |
| B     |                                      | 15000  | <5      |
| Cd    |                                      | 17     | <1      |
| Cr    |                                      | 460.2  | <0.1    |
| Co    |                                      | 130    | <5      |
| Cu    |                                      | 7700   | <5      |
| Pb    |                                      | 160    | <5      |
| Mn    |                                      | 15000  | <5      |
| Hg    |                                      | 94     | <1      |
| Ni    |                                      | 930    | <5      |
| Se    |                                      | 460    | <5      |
| Sr    |                                      | 56000  | <5      |
| Sn    |                                      | 180000 | <1      |
| Zn    |                                      | 46000  | <5      |

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.

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 spectrophotometry.

All results are expressed in mg/Kg based on toy material after analytical correction factors have been applied