eurofins

Modern Testing Services

Laboratory Test Report

REPORT NUMBER:

43062009

1 of 5 PAGE:

Prepared for:

Sample described as: Number of samples: Date received: Packaging: **Condition: Batch**: Description:

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

Reference number(s):

Date(s) tested:

Declared age:

Tested age grade:

PO/Order number:

CP0956 IVORY 20/06/2023 - 05/07/2023 N/A N/A **JAY1509A**

20/06/2023 Supplied without packaging visibly undamaged condition. N/S

Red flower print

Photo of submitted sample

43062009



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

Jonne proben

Joanna Wolan, Analytical Chemist

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.



Eurofins MTS Consumer Product Testing UK Ltd 118 Lupton Avenue, Leeds, West Yorkshire, LS9 6ED Tel: 0113 248 8830 Email: info@mts-uk.co.uk 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	Red flower cotton poplin fabric	
A1	Yellow print	Category III
A2	Light green print	Category III
A3	Dark green print	Category III
A4	Cream main	Category III





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TEST RESULTS

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

A 1 1						Incounto	(ing/ing/	State for the second strend of the second			
Analyte		A1	A2	A3	A4	-	-	-	-	-	-
Aluminium	AI	4.0	3.5	4.0	4.0	-	-	-	-	-	
Antimony	Sb	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-	
Arsenic	As	< 0.3	< 0.3	< 0.3	< 0.3	-	-	-	-	-	-
Barium	Ba	2.6	2.7	2.7	2.2	-	-		-	-	-
Boron	В	<4	<4	<4	<4	-	-	-	-	-	-
Cadmium	Cd	< 0.03	< 0.03	< 0.03	< 0.03	-	-	-	-	-	-
Chromium	Cr	0.91	1.1	3.3	0.25	-	-	-	-	-	-
Cobalt	Co	< 0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-
Copper	Cu	<1	<1	<1	<1	-	-	-	-	-	-
Lead	Pb	< 0.3	< 0.3	< 0.3	< 0.3	-	-	-	-	-	-
Manganese	Mn	1.7	1.5	1.7	1.6	-	-	-	mat	-	
Mercury	Hg	< 0.3	< 0.3	< 0.3	< 0.3	-	-	-	gant.	-	-
Nickel	Ni	7.8	1.3	1.4	<1	-	-	-	-	-	-
Selenium	Se	<3	<3	<3	<3	-	-	-	-	-	-
Strontium	Sr	4.7	4.3	4.9	4.2	-	-	-	-	-	-
Tin	Sn	<2	<2	<2	<2	-	-	-	-		-
Zinc	Zn	2.5	1.9	2.4	2.8	-	-	-	-	-	-
				DA00	0100						_

Results (mg/kg)

PASS PASS

S PASS PASS

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

Notes:

Conclusion

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	
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Limits:

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mus.							
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.

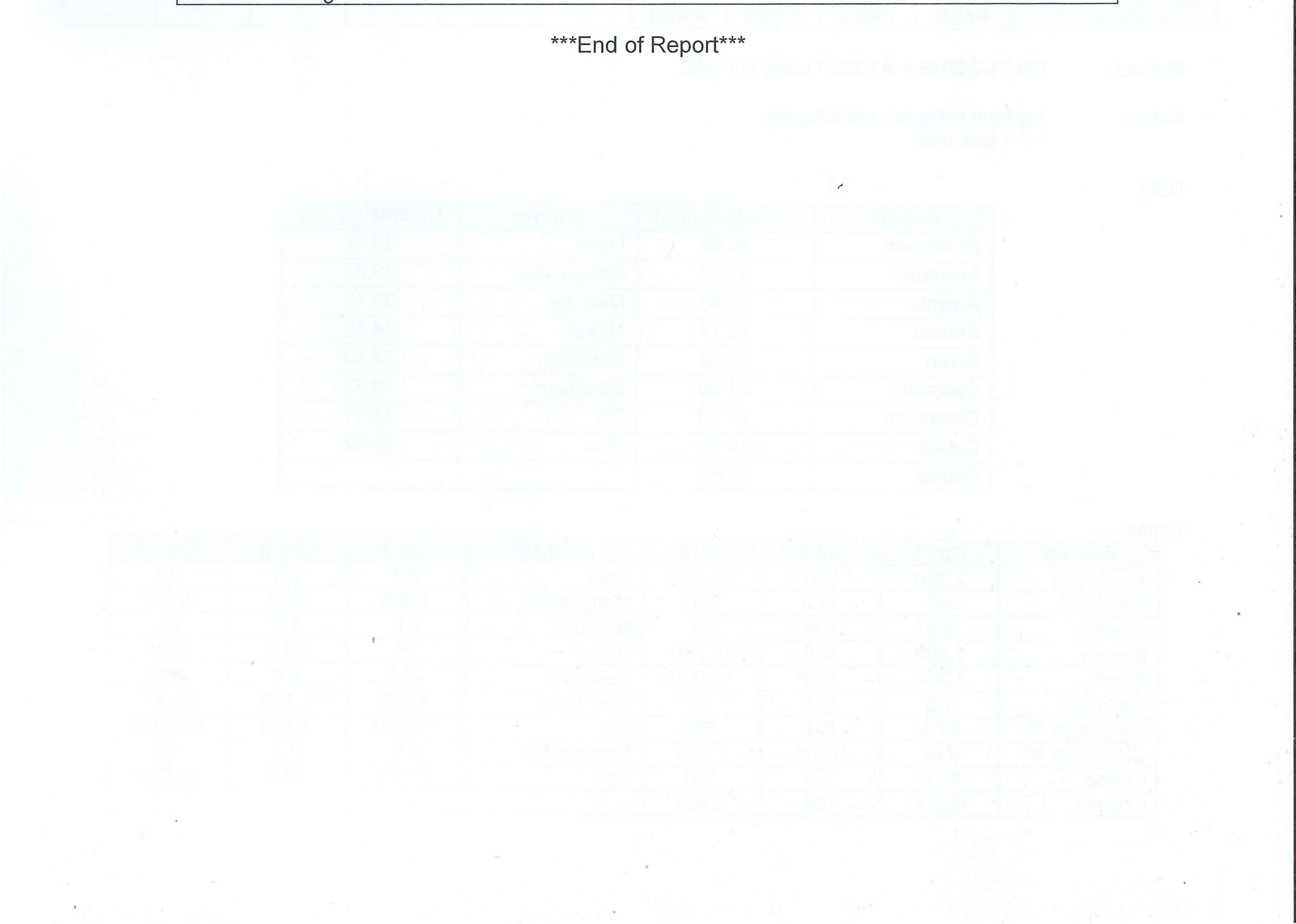
It does not analyse for the migration of chromium III, chromium VI, and organic tin, however, suitably low result for overall chromium and overall tin migration may be used to infer compliance with these limits.

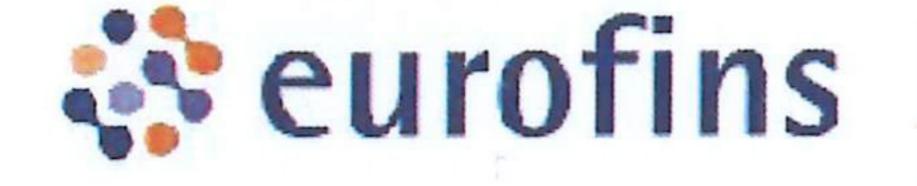
Analysis of the sample(s) found that migration of the 16 elements restricted elements did not exceed the respective category limits, and therefore comply with the requirements of EN 71-3:2019+A1:2021.

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.





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ANNEX A: DECISION RULES

Rule 1	Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx':
	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):
	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):
	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):
	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.



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Modern Testing Services

Laboratory Test Report

REPORT NUMBER:

43062008

Prepared for:

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

1 of 5 PAGE:

CP0964 NAVY 20/06/2023 - 05/07/2023 N/A N/A **JAY1509A**

Number of samples: Date received: Packaging: **Condition: Batch: Description**:

Sample described as:

20/06/2023

Supplied without packaging visibly undamaged condition. N/S Navy main with multi flower print

Photo of submitted sample

Reference number(s): Date(s) tested: Declared age: Tested age grade: **PO/Order number:**



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

Prepared by

Jonne molon

Joanna Wolan, Analytical Chemist

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.



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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	Navy cotton poplin print fabric	Category III





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TEST RESULTS

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

Analyta					I Coulo	(mg/kg)			
Analyte		A1	-						
Aluminium	AI	3.7	-						
Antimony	Sb	< 0.5	-						
Arsenic	As	< 0.3	-						
Barium	Ba	<2	-						
Boron	В	<4	-						
Cadmium	Cd	< 0.03	-						
Chromium	Cr	4.3	-						
Cobalt	Co	< 0.1	-						
Copper	Cu	<1	-						
Lead	Pb	< 0.3	-		634				
Manganese	Mn	2.2	-						
Mercury	Hg	< 0.3	-					С	
Nickel	Ni	1.3	-						
Selenium	Se	<3	-						
Strontium	Sr	3.6	-						
Tin	Sn	<2	-						
Zinc	Zn	2.0	-						
	And the second second second second								

Results (mg/kg)

Conclusion 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	
Cobhei	20.02	

Limits:

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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.

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End of Report





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ANNEX A: DECISION RULES

Rule	1	Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx':
		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 \pm B):
		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):
		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):
		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.



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Modern Testing Services

Laboratory Test Report

REPORT NUMBER:

43062007

Prepared for:

Sample described as:

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

1 of 7 PAGE:

CP0953 PINK 20/06/2023 - 05/07/2023 N/A N/A **JAY1509A**

Number of samples: Date received: Packaging: **Condition: Batch: Description**:

20/06/2023 Supplied without packaging visibly undamaged condition. N/S Multi coloured animal print

Photo of submitted sample



Reference number(s): Date(s) tested: Declared age: Tested age grade: **PO/Order number:**

Prepared by

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

Joanna provan

Joanna Wolan, Analytical Chemist

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.



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

Note: Testing marked * 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	Cotton poplin print	
A1	Yellow print	Category III
A2 Light pink print		Category III
A3	Dark pink print	Category III
A4	Blue print	Category III
A5	Green print	Category III
A6 Trunk representative		Category III



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TEST RESULTS

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

Results (mg/kg)

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A I I	and the second second					I Coulo	(Ing/kg)	and the second			
Analyte		A1	A2	A3	A4	A5	A6	I	-	-	-
Aluminium	AI	3.7	3.4	3.7	4.0	3.7	3.8	-	-	-	-
Antimony	Sb	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	-	-	-	-
Arsenic	As	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	-	-	
Barium	Ba	<2	<2	<2	<2	2.1	<2	-	-	-	
Boron	В	<4	<4	<4	<4	<4	<4	-	-	-	-
Cadmium	Cd	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	-	-	-	-
Chromium	Cr	0.21	0.14	0.13	0.18	0.31	0.39	-	-	-	-
Cobalt	Co	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	-	-	-	-
Copper	Cu	<1	<1	<1	<1	<1	<1	-	-	panel	-
Lead	Pb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	-	3000	-
Manganese	Mn	1.2	1.2	1.3	1.3	1.3	1.3	-	-	-	-
Mercury	Hg	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	-	-	-
Nickel	Ni	<1	<1	<1	1.6	3.7	4.8		-	pan	-
Selenium	Se	<3	<3	<3	<3	<3	<3	-		-	-
Strontium	Sr	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-
Tin	Sn	<2	<2	<2	<2	<2	<2		-	-	-
Zinc	Zn	2.6	2.0	1.9	1.8	1.6	1.4	-	-	-	-
			D AOO	DA00	DAGO	DACC	DACC				

Conclusion PASS PASS 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:

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mo.			T				
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.

(FULL PASS RESULT)

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.

(FULL PASS RESULT + CrVI)

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 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 limit for chromium III and can therefore be inferred as complying with the requirements for chromium III.

Overall chromium migration from sample(s) XXX was found to exceed the in-house inference limit for chromium VI, and so specific chromium VI migration analysis was required to confirm compliance with the limit. Testing was performed by a Eurofins Global partner laboratory and the following results were obtained:

Test Item	Chromium VI Migration (mg/kg)	Conclusion
1	< 0.053	PASS

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

(FULL PASS RESULT + OrgSn)

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 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.

Overall tin migration from sample(s) XXX was found to exceed the in-house inference limit, and so specific organic tin migration analysis was required to confirm compliance with the limit. Testing was performed by a Eurofins Global partner laboratory and the following results were obtained:

Test Item	Organic Tin Migration (mg/kg)	Conclusion
	< 12	PASS

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Modern Testing Services

Laboratory Test Report 43062007 **REPORT NUMBER:**

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

(PARTIAL PASS RESULT EXC. CrVI)

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PAGE:

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 limit for chromium III and can therefore be inferred as complying with the requirements for chromium III.

(PARTIAL PASS RESULT EXC. CrVI + OrgSn)

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



Analysis of the sample(s) found that migration of _____ exceeded the limit of _____ mg/kg for category III materials, and therefore does not comply with the requirements of EN 71-3:2019+A1:2021.

(FAIL RESULT CrVI)

Overall chromium migration from sample(s) XXX was found to exceed the in-house inference limit for chromium VI, and so specific chromium VI migration analysis was required to confirm compliance with the limit. Testing was performed by a Eurofins Global partner laboratory and the following results were obtained:

Test Item	Chromium VI Migration (mg/kg)	Conclusion
	< 0.053	FAIL

(FAIL RESULT OrgSn)

Overall tin migration from sample(s) XXX was found to exceed the in-house inference limit, and so specific organic tin migration analysis was required to confirm compliance with the limit. Testing was performed by a Eurofins Global partner laboratory and the following results were obtained:

Test Item	Organic Tin Migration (mg/kg)	Conclusion
	< 12	FAIL



Laboratory Test Report

REPORT NUMBER: 43062007

> 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.

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End of Report

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Laboratory Test Report

REPORT NUMBER: 4306

43062007

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ANNEX A: DECISION RULES

Rule 1	Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx':
	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):
	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):
	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):
	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.



08/03/21

1 of 4

USA HongKong Shanghai Dongguan Taiwan India Bangladesh Indonesia Germany UK Turkey Cambodia Vietnam Korea Pakistan Egypt Thailand

LAB LOCATION: LEEDS, UK **REPORT NUMBER:** 41021816

Applicant:

Item number: Item name: Batch number: Sample description: Quantity: P.O./Order number: Date of submisssion: Condition received: Test performance date(s):

Mr J. Bank Oddies Textiles, Unit 3, Bank House Greenfield Road, Colne Lancashire **BB8 9NL CP0872CRE** COTTON POPLIN PRINT N/A Sample of textile with a detailed floral print.. 1 visibly undamaged condition. 18/02/2021 - 08/03/2021

Reference is made in this report to chromium VI analyses carried out by a sub-contractor laboratory. This testing is outside the scope of UKAS accreditation.

RESULTS

EN 71-3:2019 Migration of certain elements

Prepared by

Tettughes

Tracy Hughes, Analytical Lab Supervisor

For and on behalf of **Modern Testing Services**

a Jatt

B. Watkin, Analytical Chemist

The results herein relate only to the items tested. 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 Website: www.mts-uk.co.uk Registered Company 7337435 VAT Registration Number: 997452852

CP0872 18/02/21 Photo of submitted sample



ISSUE DATE:

PAGE:

PASS



LAB LOCATION: LEEDS, UK REPORT NUMBER: 41021816 ISSUE DATE: 08/03/21 PAGE: 2 of 4

PASS

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;

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. Representative floral print

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, the material(s) can therefore be inferred as complying with the chromium III limit.

The migration of chromium from the sample was greater than the chromium VI limit of 0.053 mg/kg, the material(s) required specific chromium VI migration analysis to determine compliance with the chromium VI limit, this was carried out by a sub-contractor and the following results were obtained:

A. Representative floral print < 0.053 mg/kg

~~~End of page~~~

Prepared by Tracy Hughes on 08 March 2021 Signature:

THughes

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|                | LAB LOCA<br>REPORT I                                                             |                                          |                                       | EDS, UK<br>021816                        |                                          |                                         |                                        |                                    |                            |                             |                            |                        |              |                       |                | SSUE DA<br>PAGE: | TE: (      | 08/03/21<br>3 of 4 |
|----------------|----------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|------------------------------------|----------------------------|-----------------------------|----------------------------|------------------------|--------------|-----------------------|----------------|------------------|------------|--------------------|
| Me             | ethod of test                                                                    | : EN 71-3:2                              | 2019 Migra                            | ation of cer                             | tain eleme                               | nts                                     |                                        | ANAL                               | YSIS                       | RESU                        | LTS                        |                        | Categor      | у З                   | C              | Date of test     | : 25/02/21 |                    |
| De<br>So<br>Qu | mples mark<br>eviations fror<br>lid to acid e<br>lantities of s<br>st results ma | m standard<br>xtractant ra<br>oluble met | method: p<br>tio exceed<br>als determ | H of conve<br>led 1:50 wi<br>ined by inc | entional po<br>th sample<br>ductively co | lymers and<br>weights be<br>oupled plas | textiles no<br>low 100 m<br>sma spectr | ot checked<br>g and whe<br>oscopy. | d; samples<br>in additiona | only filtere<br>al acid was | d if require<br>used to lo | ed to preve<br>wer pH. | ent ICP bloo | tion appea<br>ckages. | r in [ ] in sa | ample desc       | ription.   |                    |
|                | Metals                                                                           | AI                                       | Sb                                    | As                                       | Ва                                       | В                                       | Cd                                     | Cr                                 | Со                         | Cu                          | Pb                         | Mn                     | Hg           | Ni                    | Se             | Sr               | Sn         | Zn                 |
|                | Limits                                                                           | 70000                                    | 560                                   | 47                                       | 18750                                    | 15000                                   | 17                                     | 460.053                            | 130                        | 7700                        | 23                         | 15000                  | 94           | 930                   | 460            | 56000            | 180000     | 46000              |
|                | Wt (Mg)                                                                          |                                          | -                                     | -                                        |                                          |                                         |                                        | -                                  |                            | -                           |                            |                        |              |                       |                |                  | -          |                    |
| A              | 209<br>END OF S                                                                  | 5<br>SAMPLES                             | < 0.5                                 | < 0.3                                    | < 2                                      | < 4                                     | < 0.03                                 | 0.686                              | < 0.1                      | < 1                         | < 0.3                      | 2                      | < 0.3        | 2                     | < 3            | 1.3              | <2         | 3                  |
|                | 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 Tracy Hughes

Date: 08 March 2021

Signature:

Tettughes

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| LAB LOCATION:  | LEEDS, UK |
|----------------|-----------|
| REPORT NUMBER: | 41021816  |

ISSUE DATE: 08/03/21 PAGE: 4 of 4

#### ANNEX A:

Statements of conformity for tests with objective measurements are based on simple acceptance after taking the expanded uncertainty of measurement at the 95% probability level into account. Any test result for which the result falls within the area to which uncertainty of measurement applied will be indicated in the test report and the uncertainty of measurement stated. For all other tests, statements of conformity are based on the 95% probability that the conditions of test fall within the criteria and tolerances set out in the test method. The risk of false accept or false reject is therefore <=2.5%.

Uncertainty of measurement:

- EN71-1 Force: 0.5N Time: ± 0.5s Acoustics: ± 4.6dB Torque: <0.01N.m Magnetic flux: ±0.38% of indicated result Dimensions: ±0.0004mm callipers) ±1.5mm (steel rule) Temperature: ±1.5°C
- EN71-2: Flammability: Length: ±1 mm Duration of burn: ±0.25 s Rate of spread of flame: Clause 4.5: ±2.5 mm/s; Other clauses: ±0.5 mm/s
- EN71-3: Given at foot of table of results



**ISSUE DATE:** 

PAGE:

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1 of 4

LAB LOCATION: LE REPORT NUMBER: 41

LEEDS, UK 41021814

Applicant:

Item number: Item name: Batch number: Sample description: Quantity: P.O./Order number: Date of submisssion: Condition received: Test performance date(s): Mr J. Bank Oddies Textiles, Unit 3, Bank House Greenfield Road, Colne Lancashire BB8 9NL CP0878 COTTON POPLIN PRINT N/A Sample of textile with a skull and red flowers print. 1 18/02/21 visibly undamaged condition. 18/02/2021 - 08/03/2021 Photo of submitted sample



Reference is made in this report to chromium VI analyses carried out by a sub-contractor laboratory. This testing is outside the scope of UKAS accreditation.

#### RESULTS

EN 71-3:2019 Migration of certain elements

Prepared by

Tettughes

Tracy Hughes, Analytical Lab Supervisor

**Modern Testing Services** 

For and on behalf of

PASS

a Jatt B. Watkin, Analytical Chemist

The results herein relate only to the items tested. 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 Website: <u>www.mts-uk.co.uk</u> Registered Company 7337435 VAT Registration Number: 997452852



LAB LOCATION:LEEDS, UKREPORT NUMBER:41021814

ISSUE DATE: 08/03/21 PAGE: 2 of 4

#### 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 71-3:2019;

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. Black print

B. Red print

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, the material(s) can therefore be inferred as complying with the chromium III limit.

The migration of chromium from sample B was greater than the chromium VI limit of 0.053 mg/kg, the material(s) required specific chromium VI migration analysis to determine compliance with the chromium VI limit, this was carried out by a sub-contractor and the following results were obtained:

B. Red print < 0.053 mg/kg

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

~~~End of page~~~

Prepared by Tracy Hughes on 08 March 2021 Signature:

Tettughes

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REPORT N | | | EDS, UK
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PAGE: | TE: C | 08/03/21
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|-------------------|--|--|---------------------------------------|---------------------------|---|---|--|------------------------------------|---------------------------|-----------------------------|----------------------------|------------------------|----------------|-----------------------|----------------|-------------------------------|------------|--------------------|
| Ме | thod of test | : EN 71-3:2 | 2019 Migra | ation of cer | tain eleme | nts | | ANAL | YSIS | RESU | LTS | | Categor | у З | C | ate of test | : 25/02/21 | |
| Dev
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Qua | mples marke
viations fron
lid to acid ex
antities of s
st results ma | n standard
<tractant ra<br="">oluble met</tractant> | method: p
tio exceed
als determ | H of conve
led 1:50 wi | entional po
ith sample
ductively co | lymers and
weights be
oupled plas | d textiles ne
low 100 m
sma spectr | ot checked
g and whe
oscopy. | l; samples
n additiona | only filtere
al acid was | d if require
used to lo | ed to preve
wer pH. | nt ICP blo | tion appea
ckages. | r in [] in sa | imple desc | ription. | |
| | Metals | AI | Sb | As | Ва | В | Cd | Cr | Со | Cu | Pb | Mn | Hg | Ni | Se | Sr | Sn | Zn |
| | Limits | 70000 | 560 | 47 | 18750 | 15000 | 17 | 460.053 | 130 | 7700 | 23 | 15000 | 94 | 930 | 460 | 56000 | 180000 | 46000 |
| T | Wt (Mg) | | | | | | | | • | | | | • | | | • | | |
| | 140
154
END OF S | < 3
< 3
3AMPLES | < 0.5
< 0.5 | < 0.3
< 0.3 | < 2
< 2 | < 4
< 4 | < 0.03
< 0.03 | < 0.030
0.988 | < 0.1
< 0.1 | < 1
1 | < 0.3
< 0.3 | 12 | < 0.3
< 0.3 | < 1
1 | < 3
< 3 | 1.6
1.5 | <2
<2 | |
| | 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. |

Prepared by Tracy Hughes

Date: 08 March 2021

Signature:

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| LAB LOCATION: | LEEDS, UK |
|----------------|-----------|
| REPORT NUMBER: | 41021814 |

ISSUE DATE: 08/03/21 PAGE: 4 of 4

ANNEX A:

Statements of conformity for tests with objective measurements are based on simple acceptance after taking the expanded uncertainty of measurement at the 95% probability level into account. Any test result for which the result falls within the area to which uncertainty of measurement applied will be indicated in the test report and the uncertainty of measurement stated. For all other tests, statements of conformity are based on the 95% probability that the conditions of test fall within the criteria and tolerances set out in the test method. The risk of false accept or false reject is therefore <=2.5%.

Uncertainty of measurement:

- EN71-1 Force: 0.5N Time: ± 0.5s Acoustics: ± 4.6dB Torque: <0.01N.m Magnetic flux: ±0.38% of indicated result Dimensions: ±0.0004mm callipers) ±1.5mm (steel rule) Temperature: ±1.5°C
- EN71-2: Flammability: Length: ±1 mm Duration of burn: ±0.25 s Rate of spread of flame: Clause 4.5: ±2.5 mm/s; Other clauses: ±0.5 mm/s
- EN71-3: Given at foot of table of results





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ISSUE DATE:

PAGE:

LAB LOCATION: LEEDS, UK REPORT NUMBER: 41021815

Applicant:

Item number: Item name: Batch number: Sample description: Quantity: P.O./Order number: Date of submisssion: Condition received: Test performance date(s): Mr J. Bank Oddies Textiles, Unit 3, Bank House Greenfield Road, Colne Lancasshire BB8 9NL CP0875BLA COTTON POPLIN PRINT N/A Sample of textile with a pink and red heart print on a black background. 1 18/02/21 visibly undamaged condition. 18/02/2021 - 26/02/2021 Photo of submitted sample



The PASS result refers only to the materials analysed.

RESULTS

EN 71-3:2019 Migration of certain elements

Prepared by

to atta

B. Watkin, Analytical Chemist

PASS

For and on behalf of Modern Testing Services

Tettughes

Tracy Hughes, Analytical Lab Supervisor

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

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LAB LOCATION:LEEDS, UKREPORT NUMBER:41021815

ISSUE DATE: 26/02/21 PAGE: 2 of 4

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 71-3:2019;

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. Heart print representative

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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Prepared by B. Watkin on 26 February 2021 Signature:

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|                 | LAB LOCA<br>REPORT N                                                            |                                          |                                       | EDS, UK<br>021815                        |                                          |                                         |                                          |                                    |                           |                             |                            |                        |              |                       |                | SSUE DA <sup>:</sup><br>PAGE: | TE: 2      | 26/02/21<br>3 of 4 |
|-----------------|---------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------|---------------------------|-----------------------------|----------------------------|------------------------|--------------|-----------------------|----------------|-------------------------------|------------|--------------------|
| Me              | thod of test                                                                    | : EN 71-3:2                              | 2019 Migra                            | ation of cer                             | tain eleme                               | nts                                     |                                          | ANAL                               | YSIS                      | RESU                        | LTS                        |                        | Categor      | у З                   | C              | ate of test                   | : 25/02/21 |                    |
| De<br>Sol<br>Qu | mples mark<br>viations fror<br>lid to acid ez<br>antities of s<br>st results ma | n standard<br>ktractant ra<br>oluble met | method: p<br>tio exceed<br>als determ | H of conve<br>led 1:50 wi<br>ined by inc | entional po<br>th sample<br>ductively co | lymers and<br>weights be<br>pupled plas | d textiles no<br>low 100 m<br>sma spectr | ot checked<br>g and whe<br>oscopy. | l; samples<br>n additiona | only filtere<br>al acid was | d if require<br>used to lo | ed to preve<br>wer pH. | ent ICP bloo | tion appea<br>ckages. | r in [ ] in sa | Imple desc                    | ription.   |                    |
|                 | Metals                                                                          | AI                                       | Sb                                    | As                                       | Ва                                       | В                                       | Cd                                       | Cr                                 | Со                        | Cu                          | Pb                         | Mn                     | Hg           | Ni                    | Se             | Sr                            | Sn         | Zn                 |
|                 | Limits                                                                          | 70000                                    | 560                                   | 47                                       | 18750                                    | 15000                                   | 17                                       | 460.053                            | 130                       | 7700                        | 23                         | 15000                  | 94           | 930                   | 460            | 56000                         | 180000     | 46000              |
|                 | Wt (Mg)                                                                         |                                          |                                       |                                          | •                                        |                                         |                                          |                                    | •                         |                             |                            |                        |              |                       |                | •                             | •          | -                  |
| A               | 205<br>END OF S                                                                 | 5<br>SAMPLES                             | < 0.5                                 | < 0.3                                    | < 2                                      | < 4                                     | < 0.03                                   | < 0.030                            | < 0.1                     | 2                           | < 0.3                      | 1                      | < 0.3        | < 1                   | < 3            | 3.0                           | < 2        | 8                  |
|                 | 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 B. Watkin

Date: 26 February 2021 Signature:

Datta

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| LAB LOCATION:  | LEEDS, UK |
|----------------|-----------|
| REPORT NUMBER: | 41021815  |

ISSUE DATE: 26/02/21 PAGE: 4 of 4

#### ANNEX A:

Statements of conformity for tests with objective measurements are based on simple acceptance after taking the expanded uncertainty of measurement at the 95% probability level into account. Any test result for which the result falls within the area to which uncertainty of measurement applied will be indicated in the test report and the uncertainty of measurement stated. For all other tests, statements of conformity are based on the 95% probability that the conditions of test fall within the criteria and tolerances set out in the test method. The risk of false accept or false reject is therefore <=2.5%.

Uncertainty of measurement:

- EN71-1 Force: 0.5N Time: ± 0.5s Acoustics: ± 4.6dB Torque: <0.01N.m Magnetic flux: ±0.38% of indicated result Dimensions: ±0.0004mm callipers) ±1.5mm (steel rule) Temperature: ±1.5°C
- EN71-2: Flammability: Length: ±1 mm Duration of burn: ±0.25 s Rate of spread of flame: Clause 4.5: ±2.5 mm/s; Other clauses: ±0.5 mm/s
- EN71-3: Given at foot of table of results

# LAB LOCATION:

#### TEST REPORT



**REPORT NUMBER:** 

LEEDS, UK 41021812

**ISSUE DATE:** 26/02/21 PAGE: 1 of 4

Applicant:

| Item number:              |
|---------------------------|
| Item name:                |
| Batch number:             |
| Sample description:       |
| Quantity:                 |
| P.O./Order number:        |
| Date of submisssion:      |
| Condition received:       |
| Test performance date(s): |
|                           |

Mr J. Bank Oddies Textiles, Unit 3, Bank House Greenfield Road, Colne Lancasshire **BB8 9NL** CP0881YEL COTTON POPLIN PRINT N/A Sample of textile with a bee and flower design on a yellow background. 1 CP0881 18/02/21 visibly undamaged condition. 18/02/2021 - 26/02/2021 Photo of submitted sample



The PASS result refers only to the materials analysed.

#### RESULTS

EN 71-3:2019 Migration of certain elements

Prepared by

Datt

#### B. Watkin, Analytical Chemist

PASS

For and on behalf of **Modern Testing Services** 

Tettughes

Tracy Hughes, Analytical Lab Supervisor

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

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LAB LOCATION:LEEDS, UKREPORT NUMBER:41021812

ISSUE DATE: 26/02/21 PAGE: 2 of 4

#### 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 71-3:2019;

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. Representative bee print

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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Prepared by B. Watkin on 26 February 2021 Signature:

ta Jatta

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REPORT I | | | EDS, UK
021812 | | | | | | | | | | | | SSUE DA [:]
PAGE: | TE: 2 | 26/02/21
3 of 4 |
|----------------|---|--|---------------------------------------|---|--|---|---|------------------------------------|---------------------------|-----------------------------|----------------------------|------------------------|------------|-----------------------|----------------|-------------------------------|------------|--------------------|
| Me | ethod of test | : EN 71-3:2 | 2019 Migra | ation of cer | tain eleme | nts | | ANAL | YSIS | RESU | LTS | | Categor | у З | C | ate of test | : 25/02/21 | |
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n additiona | only filtere
al acid was | d if require
used to lo | ed to preve
wer pH. | nt ICP blo | tion appea
ckages. | r in [] in sa | Imple desc | ription. | |
| | Metals | AI | Sb | As | Ва | В | Cd | Cr | Со | Cu | Pb | Mn | Hg | Ni | Se | Sr | Sn | Zn |
| | Limits | 70000 | 560 | 47 | 18750 | 15000 | 17 | 460.053 | 130 | 7700 | 23 | 15000 | 94 | 930 | 460 | 56000 | 180000 | 46000 |
| | Wt (Mg) | | | | | | | | | | | | | | | | | |
| A | 163
END OF S | < 3
SAMPLES | < 0.5 | < 0.3 | 4 | < 4 | < 0.03 | < 0.030 | < 0.1 | < 1 | < 0.3 | < 1 | < 0.3 | < 1 | < 3 | 1.8 | < 2 | 6 |
| | 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 B. Watkin

Date: 26 February 2021 Signature:

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LAB LOCATION:LEEDS, UKREPORT NUMBER:41021812

ISSUE DATE: 26/02/21 PAGE: 4 of 4

ANNEX A:

Statements of conformity for tests with objective measurements are based on simple acceptance after taking the expanded uncertainty of measurement at the 95% probability level into account. Any test result for which the result falls within the area to which uncertainty of measurement applied will be indicated in the test report and the uncertainty of measurement stated. For all other tests, statements of conformity are based on the 95% probability that the conditions of test fall within the criteria and tolerances set out in the test method. The risk of false accept or false reject is therefore <=2.5%.

Uncertainty of measurement:

- EN71-1 Force: 0.5N Time: ± 0.5s Acoustics: ± 4.6dB Torque: <0.01N.m Magnetic flux: ±0.38% of indicated result Dimensions: ±0.0004mm callipers) ±1.5mm (steel rule) Temperature: ±1.5°C
- EN71-2: Flammability: Length: ±1 mm Duration of burn: ±0.25 s Rate of spread of flame: Clause 4.5: ±2.5 mm/s; Other clauses: ±0.5 mm/s
- EN71-3: Given at foot of table of results



ISSUE DATE:

PAGE:

26/02/21

1 of 4

LAB LOCATION: LEE REPORT NUMBER: 410

LEEDS, UK 41021813

Applicant:

Item number: Item name: Batch number: Sample description: Quantity: P.O./Order number: Date of submisssion: Condition received: Test performance date(s): Mr J. Bank Oddies Textiles, Unit 3, Bank House Greenfield Road, Colne Lancasshire BB8 9NL CP0882PIN COTTON POPLIN PRINT N/A Sample of star print textile on a pink background. 1 CP0882 18/02/21 visibly undamaged condition. 18/02/2021 - 26/02/2021 Photo of submitted sample



The PASS result refers only to the materials analysed.

RESULTS

EN 71-3:2019 Migration of certain elements

Prepared by

to atta

B. Watkin, Analytical Chemist

PASS

For and on behalf of Modern Testing Services

THughes

Tracy Hughes, Analytical Lab Supervisor

The results herein relate only to the items tested. 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 Website: <u>www.mts-uk.co.uk</u> Registered Company 7337435 VAT Registration Number: 997452852





LAB LOCATION:LEEDS, UKREPORT NUMBER:41021813

ISSUE DATE: 26/02/21 PAGE: 2 of 4

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 71-3:2019;

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. Pink textile
- B. Blue textile
- C. Light blue textile
- D. Red textile
- E. Yellow textile

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 B. Watkin on 26 February 2021 Signature:

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| F         | REPORT                                                                       | NUMBER:                                   | 41                                        | 021813                                    |                                          |                                         |                                                |                                                     |                                           |                             |                                           |                        |                                           |                          | F                               | AGE:                            |                                        | 3 of 4 |
|-----------|------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------------|-----------------------------------------------------|-------------------------------------------|-----------------------------|-------------------------------------------|------------------------|-------------------------------------------|--------------------------|---------------------------------|---------------------------------|----------------------------------------|--------|
| let       | hod of test                                                                  | : EN 71-3:2                               | 2019 Migra                                | ition of cer                              | tain eleme                               | nts                                     |                                                | ANAL                                                | YSIS                                      | RESU                        | LTS                                       |                        | Categor                                   | у З                      | D                               | ate of test                     | : 25/02/21                             |        |
| ev<br>oli | nples mark<br>viations fror<br>d to acid ex<br>antities of s<br>t results ma | n standard<br>ktractant ra<br>oluble meta | method: p<br>tio exceed<br>als determ     | H of conve<br>ed 1:50 wi<br>ined by inc   | entional po<br>th sample<br>ductively co | lymers and<br>weights be<br>oupled plas | d textiles n<br>low 100 m<br>sma spectr        | ot checkec<br>g and whe<br>oscopy.                  | l; samples<br>n additiona                 | only filtere<br>al acid was | d if require<br>used to lo                | ed to preve<br>wer pH. | nt ICP bloo                               | tion appea<br>ckages.    | r in [ ] in sa                  | Imple desc                      | ription.                               |        |
| ſ         | Metals                                                                       | AI                                        | Sb                                        | As                                        | Ва                                       | В                                       | Cd                                             | Cr                                                  | Со                                        | Cu                          | Pb                                        | Mn                     | Hg                                        | Ni                       | Se                              | Sr                              | Sn                                     | Zn     |
| F         | Limits                                                                       | 70000                                     | 560                                       | 47                                        | 18750                                    | 15000                                   | 17                                             | 460.053                                             | 130                                       | 7700                        | 23                                        | 15000                  | 94                                        | 930                      | 460                             | 56000                           | 180000                                 | 46000  |
| T         | Wt (Mg)                                                                      |                                           |                                           |                                           |                                          |                                         |                                                |                                                     |                                           |                             |                                           |                        |                                           |                          |                                 |                                 |                                        |        |
|           | 188<br>103<br>113<br>116<br>123<br>END OF S                                  | < 3<br>< 3<br>< 3<br>< 3<br>SAMPLES       | < 0.5<br>< 0.5<br>< 0.5<br>< 0.5<br>< 0.5 | < 0.3<br>< 0.3<br>< 0.3<br>< 0.3<br>< 0.3 | < 2<br>2<br>3<br>< 2                     | < 4<br>< 4<br>< 4<br>< 4<br>< 4         | < 0.03<br>< 0.03<br>< 0.03<br>< 0.03<br>< 0.03 | < 0.030<br>< 0.030<br>< 0.030<br>< 0.030<br>< 0.030 | < 0.1<br>< 0.1<br>< 0.1<br>< 0.1<br>< 0.1 | < 1<br>3<br>1<br>< 1<br>< 1 | < 0.3<br>< 0.3<br>< 0.3<br>< 0.3<br>< 0.3 | 2<br>2<br>2<br>2       | < 0.3<br>< 0.3<br>< 0.3<br>< 0.3<br>< 0.3 | < 1<br>< 1<br>< 1<br>< 1 | < 3<br>< 3<br>< 3<br>< 3<br>< 3 | 2.8<br>3.2<br>2.7<br>4.4<br>2.7 | < 2<br>< 2<br>< 2<br>< 2<br>< 2<br>< 2 | 1      |
|           | 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                                  | 20.6   |

Prepared by B. Watkin

LAB LOCATION:

LEEDS, UK

Date: 26 February 2021 Signature:

Dath

**ISSUE DATE:** 

26/02/21

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| AB LOCATION:  | LEEDS, UK |
|---------------|-----------|
| EPORT NUMBER: | 41021813  |

ISSUE DATE: 26/02/21 PAGE: 4 of 4

### ANNEX A:

R

Statements of conformity for tests with objective measurements are based on simple acceptance after taking the expanded uncertainty of measurement at the 95% probability level into account. Any test result for which the result falls within the area to which uncertainty of measurement applied will be indicated in the test report and the uncertainty of measurement stated. For all other tests, statements of conformity are based on the 95% probability that the conditions of test fall within the criteria and tolerances set out in the test method. The risk of false accept or false reject is therefore <=2.5%.

Uncertainty of measurement:

- EN71-1 Force: 0.5N Time: ± 0.5s Acoustics: ± 4.6dB Torque: <0.01N.m Magnetic flux: ±0.38% of indicated result Dimensions: ±0.0004mm callipers) ±1.5mm (steel rule) Temperature: ±1.5°C
- EN71-2: Flammability: Length: ±1 mm Duration of burn: ±0.25 s Rate of spread of flame: Clause 4.5: ±2.5 mm/s; Other clauses: ±0.5 mm/s
- EN71-3: Given at foot of table of results



## 100% COTTON POPLIN PRINTS - 52/56/60

TEST REPORT

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

| and the second se | MTS Lab Reference:  | 20000514                                                |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WITS Lab Reference. | 39090511                                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Report Date:        | 11/09/19                                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Number of Samples:  | 4                                                       |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Received on:        | 05/09/19                                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Condition received: | Supplied without packaging visibly undamaged condition. |  |  |

Four textile samples;

"CP0745 - Bright" "CP0752 - Mint" "CP0756 - Ochre" "CP0760 - Navy"

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 PASS

Prepared by G. S. Kirkland Date: 11th September, 20 Signature S. Kirkland Authorised on behalf of MTS by G. S. Kirkland, Lab Manager Date: 11th September, 20 Signature S. Kirkland Page 1 of 4

of 4 pages.

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#### Modern Testing Services (UK) Limited

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# 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. CP0745 Pink
- B. CP0745 Orange
- C. CP0745 Yellow
- D. CP0745 Green
- E. CP0745 Mint Green
- F. CP0745 Blue
- G. CP0745 Dark Blue
- H. CP0745 Purple
- I. CP0745 White
- J. CP0752 Blue Base
- K. CP0752 White
- L. CP0752 Rainbow Rep.
- M. CP0752 Orange/Green Rep.
- N. CP0760 Dark Blue
- O. CP0760 Navy
- P. CP0760 Dark Green
- Q. CP0760 Light Green
- R. CP0760 Pink
- S. CP0760 Yellow
- T. CP0760 Purple
- U. CP0760 Blue
- V. CP0756 Beige
- W. CP0756 Black/White Rep.

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.

Prepared by G. S. Kirkland on 11th September, 2019 Signature Page 2 of 4 pages.

PASS

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

#### Category III - Scraped off material (continued)

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~~~

Prepared by G. S. Kirkland on 11th September, 2019 Signature Page 3 of 4 pages.

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 | AI | Sb | As | Ва | В | 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) | | | | | | | | | | | | | | | | | |
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Prepared by G. S. Kirkland

S. Kinhland

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Lab Ref: 39090511

UNICORN RAINBOW COTTON POPLIN PRINT - CP0710

Applicant

Tests requested

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

Mr J. Bank Arista (uk) Ltd T/A Oddies Textiles Unit 3 Bank House Greenfield Road Colne Lancs BB8 9NL

Number of samples: 1 received on 19th July, 2018.

Supplied without packaging in visibly undamaged condition.



Product Description

Cotton poplin fabric with unicorn and rainbow print.

Reference is made in this report to analyses carried out by a sub-contractor laboratory. This testing is outside the scope of UKAS accreditation.

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

| Prepared by G. S. Kirkland | Date: 6th September, 2018 | Signature: | S. Kinhland |
|---|---------------------------|------------|-----------------------------------|
| Authorised on behalf of MTS by G. S. Kirkland, Lab Manager. | Date: 6th September, 2018 | Signature: | S. Kinhland
Page 1 of 3 pages. |

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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. Pink textile

B. Rainbow printed textile

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

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

The migration of chromium from the samples was not greater than the chromium III limit of 460 mg/kg, the materials can therefore be inferred as complying with the chromium III limit.

The migration of chromium from samples was greater than the chromium VI limit of 0.2 mg/kg, the material required specific chromium VI migration analysis to determine compliance with the chromium VI limit, this was carried out by a sub-contractor and was found to comply with the limit.

~~~End of page~~~

Prepared by G. S. Kirkland on 6th September, 2018 Signature:

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S. Kinhland Page 2 of 3 pages.

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

### ANALYSIS RESULTS

Date of test: 30/07/18

Category 3

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                 | AI                 | Sb         | As       | Ва         | В          | Cd         | Cr             | Со         | 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)                |                    | 1          | 1        |            |            |            |                | 1          | 1          | 1          |            |            |            |            |            |                |       |
| A<br>B | 125<br>142<br>END OF S | 13<br>13<br>AMPLES | < 5<br>< 5 | <1<br><1 | < 5<br>< 5 | < 5<br>< 5 | < 1<br>< 1 | 0.632<br>0.614 | < 5<br>< 5 | < 5<br>< 5 | < 5<br>< 5 | < 5<br>< 5 | < 1<br>< 1 | < 5<br>< 5 | < 5<br>< 5 | < 5<br>< 5 | < 1.0<br>< 1.0 |       |
|        |                        |                    |            |          |            |            |            |                |            |            |            |            |            |            |            |            |                |       |

Prepared by G. S. Kirkland

S. Kinhland

### Lab Ref: 38071916

### LEOPARD SKIN COTTON POPLIN PRINT - CP0701

### Applicant

### Tests requested



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

Mr J. Bank Arista (uk) Ltd T/A Oddies Textiles Unit 3 Bank House Greenfield Road Colne Lancs BB8 9NL

Number of samples: 1 received on 19th July, 2018.

Supplied without packaging in visibly undamaged condition.



Product Description

Cotton poplin fabric with leopard skin print.

Reference is made in this report to analyses carried out by a sub-contractor laboratory. This testing is outside the scope of UKAS accreditation.

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

| Prepared by G. S. Kirkland                                  | Date: 6th September, 2018 | Signature: | S. Kinhland                       |
|-------------------------------------------------------------|---------------------------|------------|-----------------------------------|
| Authorised on behalf of MTS by G. S. Kirkland, Lab Manager. | Date: 6th September, 2018 | Signature: | S. Kinhland<br>Page 1 of 3 pages. |

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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. Leopard print 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, the material can therefore be inferred as complying with the chromium III limit.

The migration of chromium from the sample was greater than the chromium VI limit of 0.2 mg/kg, the material required specific chromium VI migration analysis to determine compliance with the chromium VI limit, this was carried out by a sub-contractor and was found to comply with the limit.

~~~End of page~~~

Prepared by G. S. Kirkland on 6th September, 2018 Signature:

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S. Kinhland

Page 2 of 3 pages.

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

ANALYSIS RESULTS

Date of test: 30/07/18

Category 3

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.

| ĺ | | | | | | | | | | | | | | | | | | |
|---|-----------------|-------------|----------|----------|-------|-------|----------|----------|----------|------|-----|-------|-----|-----|-----|-------|--------|-------|
| | Metals | AI | Sb | As | Ва | В | Cd | Cr | Со | 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) | | <u>-</u> | <u>-</u> | | | <u>-</u> | <u>.</u> | <u>.</u> | | | I | | | | | | |
| A | 228
END OF S | 9
AMPLES | < 5 | < 1 | < 5 | < 5 | < 1 | 1.287 | < 5 | < 5 | < 5 | < 5 | < 1 | < 5 | < 5 | < 5 | < 1.0 | < 5 |

S. Kinhland

Lab Ref: 38071914

COTTON POPLIN PRINT - CP0312

Applicant

Mr J. Bank **Oddies** Textiles Unit 3, Bank House Greenfield Road

Colne Lancasshire 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

Black and skull print design textile.

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

Signature: Prepared by G. S. Kirkland Date: 21st November, 2016 Authorised on behalf of MTS

S. Kinhland S. Kinhland

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

e 1 of 3 pages.

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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. Floral/skull print 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~~~

Prepared by G. S. Kirkland on 21st November, 2016 Signature:

S. Kinhland Page 2 of 3 pages.

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

### ANALYSIS RESULTS

Date of test: 00/00/00

Category 3

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.

| $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | n Zn<br>0000 46000 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Wt (Mg)           A         202         < 5         < 1         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5         < 5 <th>0000 46000</th> | 0000 46000         |
| A 202 <5 <5 <1 <5 <1 <0.1 <5 <5 <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| A         202<br>END OF SAMPLES         < 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 1 < 5            |

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S. Kinhland



#### 15 April 2015

#### Report 251335/7

Page 1 of 3

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

Contact: Edward Bank

| DATE RECEIVED         | : | 13 MARCH 2015 |
|-----------------------|---|---------------|
| QUALITY/REFERENCE     | : | CP0113 - BLUE |
| REPUTED FIBRE CONTENT | : | NOT GIVEN     |
| FABRIC DESCRIPTION    | : | WOVEN         |
|                       |   |               |

REQUEST: EN71-3:2013 Toxicity

COMMENTS: See report

S. WISEMAN LABORATORY MANAGER

M. GRAINGER SENIOR TECHNOLOGIST

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This test has been sub-contracted



15 April 2015

| Report | 251335/7 |
|--------|----------|
|        |          |

#### **Page 2 of 3**

| Category III Analysis results                                                                                                                                                                                                                                                                             |      |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                           | PASS |  |  |  |  |  |  |  |  |
| <b>Category III - Scraped off material</b><br>The EN 71-3 screening test used by MTS (UK) tests for the migration of<br>16 of the 19 'elements' restricted by EN 71-3:2013;                                                                                                                               |      |  |  |  |  |  |  |  |  |
| It does not test for the presence of chromium III, chromium VI or<br>organic tin specifically, it does however test for chromium and tin and<br>compliance with the limits for chromium III, chromium VI or organic tin<br>may be inferred from low results from these analyses (see below).              |      |  |  |  |  |  |  |  |  |
| A. CP0113 Blue                                                                                                                                                                                                                                                                                            |      |  |  |  |  |  |  |  |  |
| The material complied with the limits of the 16 elements specifically analysed for (see analysis table below)                                                                                                                                                                                             |      |  |  |  |  |  |  |  |  |
| 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 460mg/kg. The material can therefore be inferred as complying with the chromium III limit.                                                                                                                       |      |  |  |  |  |  |  |  |  |
| The migration of chromium for the sample was greater than the chromium VI limit of 0.2 mg/kg. The material would require chromium speciation analysis to determine compliance with the chromium VI.                                                                                                       |      |  |  |  |  |  |  |  |  |
| The migration of Chromium from the sample was greater than the chromium VI limit of 0.2 mg/kg, the material would require chromium speciation analyses to determine compliance with the chromium VI limit, these were carried out by a sub-contracted laboratory and were found to comply with the limit. |      |  |  |  |  |  |  |  |  |



15 April 2015

#### <u>Report 251335/7</u> CP0113 - Blue

#### Page 3 of 3

| Metal | Method                               | Limit  | Results |
|-------|--------------------------------------|--------|---------|
| Al    |                                      | 70000  | 6       |
| Sb    |                                      | 560    | <5      |
| As    |                                      | 47     | <1      |
| Ba    |                                      | 18750  | <5      |
| В     |                                      | 15000  | <5      |
| Cd    |                                      | 17     | <1      |
| Cr    |                                      | 460.2  | 0.4     |
| Со    |                                      | 130    | <5      |
| Cu    | Composite<br>BS EN 71-3:2013 Testing | 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.



#### 15 April 2015

#### Report 251335/5

Page 1 of 3

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

Contact: Edward Bank

| DATE RECEIVED                | : | 13 MARCH 2015  |
|------------------------------|---|----------------|
| QUALITY/REFERENCE            | : | CP0009 – GREEN |
| <b>REPUTED FIBRE CONTENT</b> | : | NOT GIVEN      |
| FABRIC DESCRIPTION           | : | WOVEN          |
|                              |   |                |

**REQUEST:** EN71-3:2013 Toxicity

COMMENTS: See report

S. WISEMAN **LABORATORY MANAGER** 

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

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This test has been sub-contracted



#### Report 251335/5

15 April 2015

### Page 2 of 3

| Category III Analysis results                                                                                                                                                                                                                                                                |      |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|
| <b>Category III - Scraped off material</b><br>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;                                                                                                                     | PASS |  |  |
| It does not test for the presence of chromium III, chromium VI or<br>organic tin specifically, it does however test for chromium and tin and<br>compliance with the limits for chromium III, chromium VI or organic tin<br>may be inferred from low results from these analyses (see below). |      |  |  |
| A. CP0009 Green                                                                                                                                                                                                                                                                              |      |  |  |
| 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.                                                  |      |  |  |



15 April 2015

### Report 251335/5

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#### CP0009 - Green

| Metal | Method                               | Limit  | Results |
|-------|--------------------------------------|--------|---------|
| Al    | Composite<br>BS EN 71-3:2013 Testing | 70000  | <5      |
| Sb    |                                      | 560    | <5      |
| As    |                                      | 47     | <1      |
| Ba    |                                      | 18750  | <5      |
| В     |                                      | 15000  | <5      |
| Cd    |                                      | 17     | <1      |
| Cr    |                                      | 460.2  | <0.1    |
| Со    |                                      | 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