

# EN71-3 TEST REPORT

**Report Reference:** LEI17103359

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**Date Tested:** 19/10/17

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**Sample Details:**

Description:	Cuddle Fleece	Component(s) Tested:	See Below
Colour(s) :	Printed	Ref/ Style No:	None Given
Retailer:	None Given	End Use:	None Given
Fibre Composition:	None Given	No of Samples:	2
Supplier:	Fashion Formula		
Quality:	None Given		

Test	Method	Result
Migration of Certain Elements	BS EN 71-3:2013+A1:2014 Migration of Certain Elements in Accordance with REACH Regulation No. 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals, Annex XVII. The European Council (EC) Directive 2012/7/EU – Cadmium amendment. Toy Safety Directive 2009/48/EC.	<b>PASS</b>

**Results:**

Category	Test	Result
III	Scraped off Material	<b>Pass</b>

**Conclusion:** The result of the test carried out meets the requirements of the standard.

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**Materials Sampled:**

No.	DESCRIPTION	Weight (mg)	Test Solution Volume (mL)
	<b>Textile</b>		
1	White with Print Fabric	306.1	15
2	White Plain Fabric	302.1	15
3	White Stitching	N/A*	N/A*

\*Not enough sample to test

**Comments:**

- The measurement of the ‘migration of certain elements’ was carried out using ICP-OES spectrometry.
- The following results relate to the concentration of soluble element.
- All sample solutions were adjusted to 1mol/L.

**Results:**

All Results and limits are quoted as mg/kg of named material.

Element	Al	Sb	As	Ba	B	Cd	Cr	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	Zn
EN71-3 Limit	70000	560	47	18750	15000	17	NA	130	7700	160	15000	94	930	460	56000	180000	46000
1	<100	<10	<10	<10	<10	<1	<0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2	<100	<10	<10	<10	<10	<1	<0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

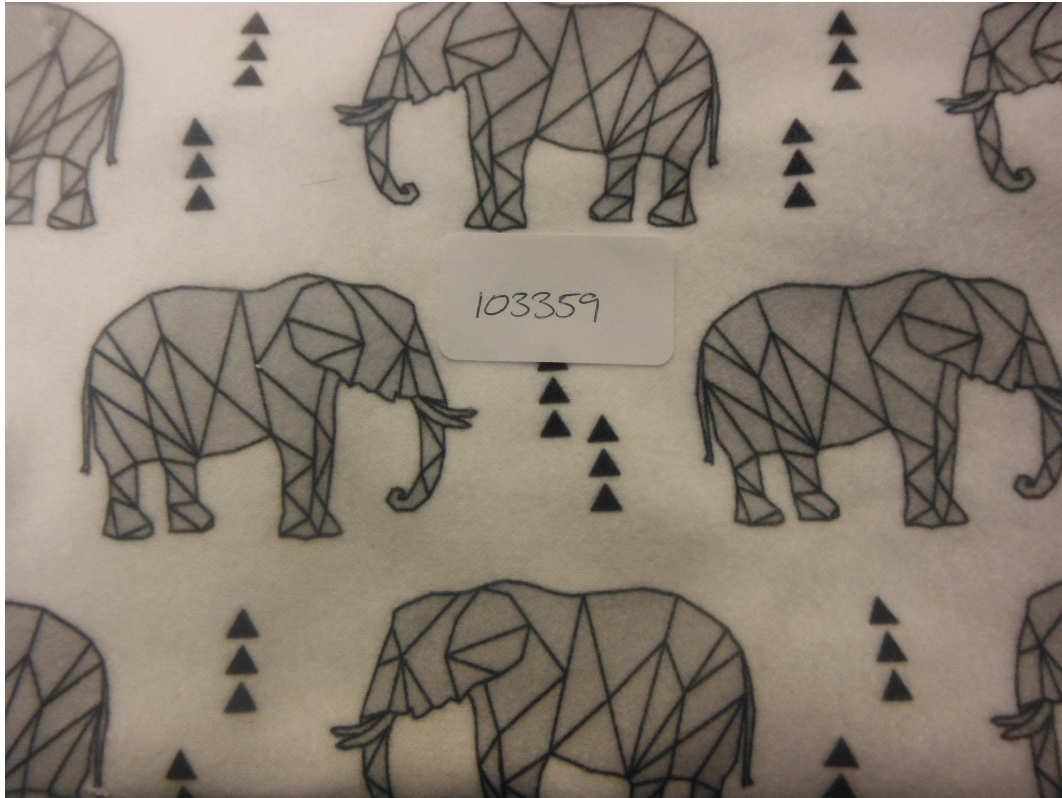
Element	Cr III	Cr VI	Organic Sn
EN71-3 Limit	460	0.2	12

**Notes:**

Migration of total Chromium has been determined as a first action. As the result is below the limit for Chromium VI (Cr VI), it can be inferred that the material complies with the requirements for both Chromium VI (Cr VI) and Chromium III (Cr III).

As the determination of the migration of Tin is below the limit for Organic Tin (12mg/kg), it can be inferred that the material complies with the requirement for Organic Tin.

This is in accordance with Annex I of the standard.

**EN71-3  
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**Natalie Wilkinson**  
**(Specialist Team Leader)**

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