

Our Ref: SW/LS/RM

11 April 2019

**Report 340898**

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Chieftain Fabrics  
Fair Green  
Trim  
Co. Meath  
Ireland

Contact: Sinead Doyle

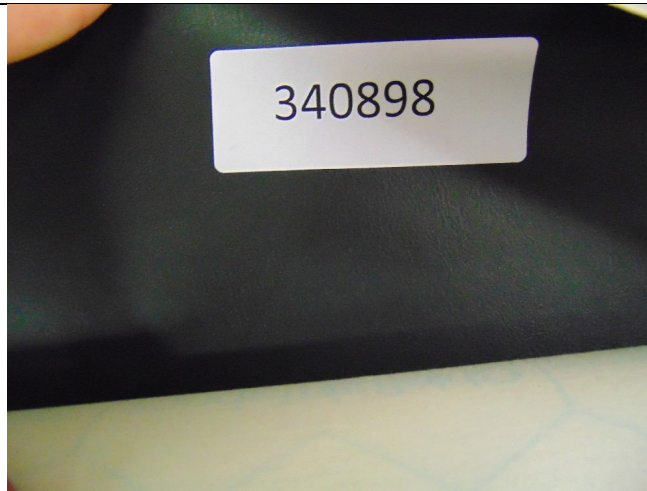
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DATE RECEIVED	:	03 APRIL 2018
QUALITY REFERENCE	:	JUST COLOUR
REPUTED FIBRE CONTENT	:	NOT GIVEN
FABRIC DESCRIPTION	:	COATED
COLOUR/DESIGN	:	BLACK
END USE	:	VINYL FOR UPHOLSTERY
ORDER NUMBER	:	SINEAD

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REQUEST: EN71-3:2013+A3:2014 Migration of certain elements  
Flammability assessment (against EN 71-2:2011+A1:2014)

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\*This test has been sub-contracted

**EN 71-3 Migration of certain elements**

Category III Analysis results	
	<b>PASS</b>
<p><b>Category III - Scraped off material</b></p> <p>The EN 71-3 screening test used by MTS (UK) tests for the migration of 16 of the 19 'elements' restricted by EN 71-3:2013;</p> <p>To ensure compliance for the near future the reduces lead limits introduced by EN71-3:2013+A3:2018</p> <p>It does not test for the presence of chromium III, chromium VI or organic tin specifically, it does however test for chromium and tin and compliance with the limits for chromium III, chromium VI or organic tin may be inferred from low results from these analyses (see below).</p> <p><b>A. Black fabric</b></p> <p>The material complied with the limits of the 16 elements specifically analysed for (see analysis table).</p> <p>The migration of tin from the sample was determined to be not greater than 4.9 mg/kg, which, when expressed in the form of tributyl tin, would not be greater than the organic tin limit of 12 mg/kg, the material can therefore be inferred as complying with the organic tin limit.</p> <p>The migration of chromium from the sample was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.2 mg/kg, the material can therefore be inferred as complying with the chromium III and chromium VI limits.</p>	

**Black fabric**

Metal	Method	Limit	Results
Al	Composite BS EN 71-3:2013 Testing	70000	<5
Sb		560	21
As		47	<1
Ba		18750	<5
B		15000	<5
Cd		17	<1
Cr		460.2	<1
Co		130	<5
Cu		7700	<5
Pb		23	0.5
Mn		15000	<5
Hg		94	<1
Ni		930	<5
Se		460	<5
Sr		56000	<5
Sn		180000	<1
Zn		46000	190

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.

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**EN 71-2 Flammability Assessment**

**PASS**

The samples were tested to clause 5.4 of EN71-2:2011+A1:2014 clause 5.4.

Samples were not washed, at the client's request.

Sample	Size	Orientation	Result
Black coated fabric	Full size	Length	0 mm/sec
	Full size	Width	0 mm/sec