

## TECHNICAL REPORT

for  
**Sinead Doyle**  
 Chieftain Fabrics  
 Wellington Place  
 Summerhill Road  
 Trim  
 Meath  
 C15 W248  
 Republic of Ireland

<b>Customer Order No:</b>	Sinead Doyle	<b>Job Reference:</b>	RT18919526-1
<b>Supplied by:</b>	Not specified	<b>Date Work Confirmed:</b>	13-Dec-18
<b>Supplying to:</b>	Not specified	<b>Date Completed:</b>	31/01/2019
<b>Description of Sample Submitted:</b>	PU/PVC	<b>Unique Reference/Identifier:</b>	Pasha

### TESTING OF UPHOLSTERY FABRIC



The samples referenced in this report have been assessed against the requirements of the specifications listed for the **SELECTED TESTS ONLY**. Statements of compliance against any specification relate exclusively to the tests requested by the client and may not be representative of full specification testing:

**Client Specification  
 For Information**

#### Additional comments/information (if relevant)

The PVC peel strength test method BS EN ISO 2411:2000 was replaced with BS EN ISO 11644:2009 because the test preparation techniques described in BS EN ISO 2411:2000 were not suitable for the material provided. A pass/fail result could not be assigned to the tear strength test because it was not possible to confirm the warp and weft directions of the test sample.



pp

Janet Hardwick  
 Head of Department



Dr Nicholas J Cory  
 Operations Director

**DETAILS OF SAMPLE RECEIVED**

Sample reference	Description	Unique reference/identifier
S1	PU/PVC	Pasha

**TEST RESULTS**

Test	Minimum Requirement	Results	Pass/Fail		
Maintainability	For information only	After Cleaning	Ketchup	GSR 4	-
			Oil	GSR 4	
			Coffee	GSR 3-4	
			Soiling cloth	GSR 4	
			Red wine	GSR 4-5	
			Alcohol	GSR 4-5	
			Blood	GSR 2	
			Sweat	GSR 4-5	
			Synthetic urine	GSR 4	
			Hydrogen peroxide	GSR 4-5	
		Bleach	GSR 4-5		
		After Polishing	Ketchup	GSR 4	
			Oil	GSR 4	
			Coffee	GSR 3-4	
			Soiling cloth	GSR 4	
			Red wine	GSR 4-5	
			Alcohol	GSR 4-5	
			Blood	GSR 2	
			Sweat	GSR 4-5	
			Synthetic urine	GSR 4	
Hydrogen peroxide	GSR 4-5				
Bleach	GSR 4-5				

**METHOD(S) USED FOR ANALYSIS**

<b>Test</b>	<b>Method</b>
PVC Maintainability	BLC M35

**STANDARD TECHNICAL NOTES**

(all may not be applicable)

Terms and Conditions	Our Terms and Conditions of Testing can be found at <a href="http://www.blcleathertech.com">www.blcleathertech.com</a>
†	Tests within the scope of accreditation
SC	Test performed by a competent, Eurofins   BLC approved partner laboratory
I/S	Insufficient Sample was submitted to perform the test
Opinions	Any opinions and interpretations expressed in this test report are based on current knowledge and experience and fall outside of the scope of ISO 17025 accreditation
Sample disposal	Stable samples will be disposed of after 6 weeks unless otherwise instructed. All other samples will be disposed of on completion of testing
Conditioning	Where necessary, the sample was conditioned and tested at 23°C ± 2°C and 50% ± 5% RH as specified in the reference standard atmosphere requirements of BS EN ISO 2419:2012 (leather) or in the alternative specific standard atmosphere requirements of BS EN ISO 139:2005 + A1:2011 (textile).
ND	None Detected (detection limits are included with the test results)
N/S	Not Scrapable (refers to the finish, meaning it cannot be removed for testing)
GC-MS	Gas Chromatography with Mass Spectroscopy
LC-MS	Liquid Chromatography with Mass Spectroscopy
ICP-MS	Induction Coupled Plasma with Mass Spectroscopy
HPLC	High Performance Liquid Chromatography
Composite analysis	If the result multiplied by the number of composited samples exceeds the requirement, then testing of the individual samples may be performed or recommended.
Azo dyes analysis	Accreditation excludes: 2,4 – Diaminoanisole
BWS	Blue Wool Scale (used for measuring exposure in the UV light fading test)
GSR	Grey scale rating. Used to express degree of staining and/or colour change. GSR 5 = no colour change / no staining; GSR 1 = maximum colour change / maximum staining. Visual assessment of GSR is subjective and associated with an uncertainty of ± half a Grey scale unit. This should be taken into account when determining compliance with a specification. Grey scale results are assessed visually. Multifibre adjacent fabric complies with ISO 105-F10.
Crockmeter – Textile	Testing carried out at 23± 2°C and 50% ± 5% rh. A 16mm rubbing finger with a 9± 0.2N was used. For wet testing a 95-100% level of soak is achieved for the cotton.
BS EN ISO 11644	Test uses a single-component cyanoacrylate adhesive. Where possible four samples are tested and taken from the official sampling position (if known).
Chemical Analysis	Certain tests such as: Phthalates, Carcinogenic dyes, Allergenic disperse dyes, PAHs, Azo dyes, Organotins, Nitrosamines and Pesticides have multiple elements tested. For a full list of chemicals tested within these analyses please refer to the specification cited within this report. For further information contact <a href="mailto:info@blcleathertech.com">info@blcleathertech.com</a>