


TECHNICAL REPORT

Supplied by:	Not specified	Date Work Confirmed:	21/08/2018
Supplying to:	Not specified	Date Completed:	30/08/2018
Description of Sample Submitted:	Highland FR	Unique Reference/Identifier:	Highland FR 65501

BURNING BEHAVIOUR TESTING

'The Furniture and Furnishings (Fire) (Safety) Regulations 1988, Schedule 4 Part 1, Schedule 5 Part 1 and The Furniture and Furnishings (Fire) (Safety) (Amendment) Regulations 1989'

Comply



NZ17813984

Additional comments/information (if relevant)

The sample was subjected to water soaking.
Weight of fabric 493.5g/m².



Daniel Hay
Flammability Technician



Dr Nicholas J Cory
Operations Director

“The following results only relate to the ignitability of the combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use”

**CERTIFICATE OF ANALYSIS
BURNING BEHAVIOUR**

IGNITABILITY TESTING TO BS 5852: PART 1:1979 AS SPECIFIED IN SCHEDULE 4, PART 1 (THE CIGARETTE TEST) AND SCHEDULE 5, PART 1 (THE MATCH TEST) OF THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988.

SMOULDERING CIGARETTE TEST

CRITERIA	TEST 1	TEST 2
Progressive smouldering after 60 minutes?	No	No
Flaming?	No	No
Pass / Fail	Pass	Pass

BUTANE FLAME TEST

CRITERIA	TEST 1	TEST 2
Flaming ceased at	1 second	1 second
Flaming still in progress 120 seconds after removal of ignition source?	No	No
Progressive smouldering?	No	No
Pass / Fail	Pass	Pass

Filling type: VP45 Non FR modified foam with a density of 20-22 Kg/m³

The sample was conditioned between 81% & 92% RH

STANDARD TECHNICAL NOTES

(all may not be applicable)

Terms and Conditions	BLC's Terms and Conditions of Testing can be found at www.blcleathertech.com
†	Tests within the scope of accreditation
SC	Test performed by a competent, 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
Sampling location	Where a full or part hide is supplied, sampling will be carried out in accordance with BS EN ISO 2418:2002 unless otherwise specified.
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 23oC ± 2oC 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.
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 info@blcleathertech.com