

## TECHNICAL REPORT

for

**Aury Vietnam Co Ltd**  
 9FL, Vien Dong Building, No. 14 Phan Ton Street  
 Dakao Ward, District 1  
 Ho Chi Minh City  
 Vietnam

Customer Order No:	Aury Vietnam Co Ltd	Job Reference:	RT212-7304 Final
Supplied by:	Not specified	Date Work Confirmed:	18/10/2021
Supplying to:	Not specified	Date Completed:	01/11/2021

### TESTING OF LEATHER



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 Jamie Brennan  
 Technical Report Writer



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 Dan Holmes  
 Head of Physical Testing

### DETAILS OF SAMPLE RECEIVED

Sample Reference	Description	Unique Reference/Identifier
S1	Upholstery Leather	Cow Leather

**TEST RESULTS**  
**A1 ESSENTIAL CHARACTERISTICS Table**  
**A.1.c Pigmented**

Test	Requirement		Results		Pass/Fail
†Colour fastness to rubbing - Veslic (change of leather colour & pad staining) (BS EN ISO 11640:2018)	Dry	500 cycles GSR 4	Staining	GSR 4-5	Pass
			Colour change	GSR 4-5	
	Wet	250 cycles GSR 3/4	Staining	GSR 4-5	Pass
			Colour change	GSR 4-5	
	Perspiration	80 cycles GSR 3/4	Staining	GSR 4-5	Pass
			Colour change	GSR 4-5	
†Colour fastness to light (BS EN ISO 105-B02:2014)	BWS 5		> BWS 5		Pass
†Finish adhesion (BS EN ISO 11644:2009) (Dry adhesion)	2 N/10 mm		9.5 N/10 mm		Pass
†Flex resistance (BS EN ISO 5402-1:2011)	No finish cracks after 50 000 cycles		No finish cracks after 50 000 cycles		Pass
†pH (BS EN ISO 4045:2018)	Min. 3.2. If the pH value is below 4 or above 10, the diff. figure shall be <0.7		pH = 4.45 Δ pH = 0.40		Pass
†Tear strength (BS EN ISO 3377-1:2011) (Single edge)	20 N		26.8 N		Pass

**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. Test without † are not UKAS accredited
Sampling Location	Unless specified in the test report, sample was taken from the official sampling location according to †BS EN ISO 2418:2017. If the sample was supplied as a swatch from the customer, sampling according to †BS EN ISO 2418:2017 is not possible.
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)
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.
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>
Decision Rule and Uncertainty of Measurement	Unless requested, the Eurofins   BLC's decision rule and estimated uncertainties of measurement will be used. For further information, please visit <a href="http://www.blcleathertech.com">Conformity and Uncertainty of Measurement in Testing (blcleathertech.com)</a>