

TEST REPORT

Test Report #: CTES-0093

Applicant: NSW Leather Company Pty Ltd
 16 Anderson Street
 BANKSMEADOW NSW 2019
 AUSTRALIA

Sample Received Date: 2023-06-01

Test Performed Date(s): 2023-06-03 – 2023-06-16

Test Report Issue Date: 2023-06-16

Sample Name / Model #: Ambassador Leather

Sample Description: Submitted samples described as bovine corrected grain pigmented leather.
 Sample 1: Light sample colour Iceberg
 Sample 2: Dark sample colour Rum

Client Reference:

TEST SUMMARY

Test Method	Result
Determination of Species & Type	See Note
Colourfastness to Rubbing	Pass
Colourfastness to Perspiration	Pass
Colourfastness to Light	Pass
Finish Adhesion	Pass
Flex Resistance	Pass
Tear Strength	Pass
Determination of pH	Pass
Determination of Formaldehyde	Pass
Determination of Certain Aromatic Amines Derived from Azo Colourants	Pass
Determination of Chromium (VI) with Aging	Pass

Authorised Signature:



Marcus Nelson
 Director
 CertAssure Pty Ltd

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of CertAssure Pty Ltd.

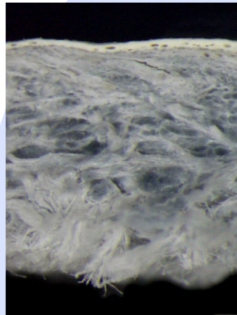
In accordance with our quality management system, tests marked with ⁺ have been subcontracted to an accredited testing laboratory partner.

DETERMINATION OF SPECIES AND TYPE[†]

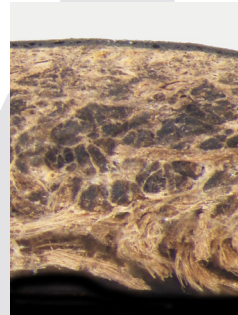
Test Method: Expert Analysis, International Council of Tanners Glossary of Leather Terms, ISO 17186:2011

Tested Sample	Total Thickness	Leather ?	Average Finish Thickness	Maximum Finish Thickness	Minimum Finish Thickness
Sample 1	1.25 mm	With grain layer	0.054 ± 0.011	0.070	0.045
Sample 2	1.13 mm	With grain layer	0.055 ± 0.012	0.070	0.040

- Analysis:**
- The samples were found to be genuine leather and were in the laboratories’ opinion of bovine origin.
 - A specimen of each was definished and the underlying grain examined. In each case the laboratory found evidence of abrasion indicating that the grain had been corrected.
 - It is the laboratories’ opinion that these samples are corrected grain leather with a pigmented finish.



Photomicrograph of a cross-section through the light cutting (35x magnification)



Photomicrograph of a cross-section through the dark cutting (35x magnification)

Conclusion: The samples were found to be of bovine origin and corrected grain with pigmented finish.

Notes:

COLOURFASTNESS TO RUBBING[†]

Test Method: ISO 11640

Tested Sample	Requirement		Result	
	Dry	Wet	Dry	Wet
Sample 1				
Marring	4 min	3/4 min	4/5	4/5
Transfer	4 min	3/4 min	4/5	4/5

Notes:

COLOURFASTNESS TO PERSPIRATION[†]

Test Method: ISO 11641

Tested Sample	Requirement	Result
Sample 1		
Marring	3/4 min	4/5
Transfer	3/4 min	4/5

Notes:

COLOURFASTNESS TO LIGHT[†]

Test Method: ISO 105-B02

Tested Sample	Requirement	Result
Sample 1	5 min	> 5
Sample 2	5 min	> 5

Notes:

FINISH ADHESION[†]

Test Method: ISO 11644

Tested Sample	Requirement	Result
Sample 1 Parallel to Backbone	≥ 2 N/10 mm	10.4 N/10 mm
Sample 1 Across to Backbone	≥ 2 N/10 mm	11.0 N/10 mm

Notes:

FLEX RESISTANCE[†]

Test Method: ISO 5402

Tested Sample	Requirement	Result
Sample 1	No Cracks	No Cracks

Notes: 50,000 cycles

TEAR STRENGTH[†]**Test Method:** ISO 3377-1

Tested Sample	Requirement	Result
Sample 1 Parallel to Backbone	20 N min	54.7 N
Sample 1 Across to Backbone	20 N min	51.8 N

Notes:**DETERMINATION OF pH[†]****Test Method:** ISO 4045:2018

Tested Sample	Requirement	Result
Sample 1	≥ 3.5	3.9
Sample 2	≥ 3.5	3.9

Notes:**DETERMINATION OF FORMALDEHYDE[†]****Test Method:** ISO 17226-1:2021

Tested Sample	Requirement	Result
Sample 1	≤ 30 ppm	17 ppm
Sample 2	≤ 30 ppm	23 ppm

Notes: Detection limit = 5 ppm**DETERMINATION OF CHROMIUM (VI) WITH AGEING[†]****Test Method:** ISO 17075-2

Tested Sample	Requirement	Result
Sample 1	≤ 3 ppm	< 3 ppm
Sample 2	≤ 3 ppm	< 3 ppm

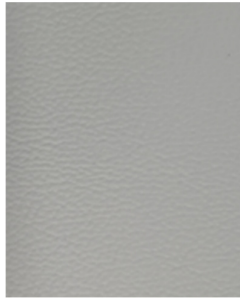
Notes: Detection limit = 3 ppm
Samples were conditioned at 80°C for 24 hours with 5% humidity.

DETERMINATION OF CERTAIN AROMATIC AMINES DERIVED FROM AZO COLOURANTS[†]**Test Method:** EN ISO 17234-1:2015 & EN ISI 17234-2:2011

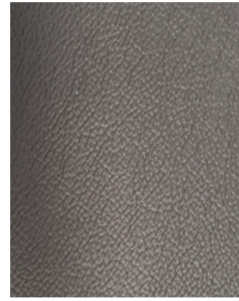
Tested Sample	Requirement	Result
Sample 1		
4-Aminodiphenyl (CAS No. 92-67-1)	≤ 30 ppm	ND
Benzidine (CAS No. 92-87-5)	≤ 30 ppm	ND
4-Chloro-o-Toluidine (CAS No. 95-69-2)	≤ 30 ppm	ND
2-Naphthylamine (CAS No. 91-59-8)	≤ 30 ppm	ND
o-Aminoazotoluene (CAS No. 97-56-3)	≤ 30 ppm	ND
2-Amino-4-Nitrotoluene (CAS No. 99-55-8)	≤ 30 ppm	ND
p-Chloroaniline (CAS No. 106-47-8)	≤ 30 ppm	ND
2,4-Diaminoanisole (CAS No. 615-05-4)	≤ 30 ppm	ND
4,4'-Diaminodiphenylmethane (CAS No. 101-77-9)	≤ 30 ppm	ND
3,3'-Dichlorobenzidine (CAS No. 91-94-1)	≤ 30 ppm	ND
3,3'-Dimethoxybenzidine (CAS No. 119-90-4)	≤ 30 ppm	ND
3,3'-Dimethylbenzidine (CAS No. 119-93-7)	≤ 30 ppm	ND
3,3'-Dimethyl-4,4'diaminodiphenylmethane (CAS No. 838-88-0)	≤ 30 ppm	ND
p-Cresidine (CAS No. 120-71-8)	≤ 30 ppm	ND
4,4'-Methylene-Bis(2-Chloroaniline) (CAS No. 101-14-4)	≤ 30 ppm	ND
4,4'-Oxydianiline (CAS No. 101-80-4)	≤ 30 ppm	ND
4,4'-Thiodianiline (CAS No. 139-65-1)	≤ 30 ppm	ND
o-Toluidine (CAS No. 95-53-4)	≤ 30 ppm	ND
2,4-Toluylenediamine (CAS No. 95-80-7)	≤ 30 ppm	ND
2,4,5-Trimethylaniline (CAS No. 137-17-7)	≤ 30 ppm	ND
2-Methoxyaniline (CAS No. 90-04-0)	≤ 30 ppm	ND
p-Aminoazobenzene (CAS No. 60-09-3)	≤ 30 ppm	ND
Sample 2		
4-Aminodiphenyl (CAS No. 92-67-1)	≤ 30 ppm	ND
Benzidine (CAS No. 92-87-5)	≤ 30 ppm	ND
4-Chloro-o-Toluidine (CAS No. 95-69-2)	≤ 30 ppm	ND
2-Naphthylamine (CAS No. 91-59-8)	≤ 30 ppm	ND
o-Aminoazotoluene (CAS No. 97-56-3)	≤ 30 ppm	ND
2-Amino-4-Nitrotoluene (CAS No. 99-55-8)	≤ 30 ppm	ND
p-Chloroaniline (CAS No. 106-47-8)	≤ 30 ppm	ND
2,4-Diaminoanisole (CAS No. 615-05-4)	≤ 30 ppm	ND
4,4'-Diaminodiphenylmethane (CAS No. 101-77-9)	≤ 30 ppm	ND
3,3'-Dichlorobenzidine (CAS No. 91-94-1)	≤ 30 ppm	ND
3,3'-Dimethoxybenzidine (CAS No. 119-90-4)	≤ 30 ppm	ND
3,3'-Dimethylbenzidine (CAS No. 119-93-7)	≤ 30 ppm	ND
3,3'-Dimethyl-4,4'diaminodiphenylmethane (CAS No. 838-88-0)	≤ 30 ppm	ND
p-Cresidine (CAS No. 120-71-8)	≤ 30 ppm	ND
4,4'-Methylene-Bis(2-Chloroaniline) (CAS No. 101-14-4)	≤ 30 ppm	ND
4,4'-Oxydianiline (CAS No. 101-80-4)	≤ 30 ppm	ND
4,4'-Thiodianiline (CAS No. 139-65-1)	≤ 30 ppm	ND
o-Toluidine (CAS No. 95-53-4)	≤ 30 ppm	ND
2,4-Toluylenediamine (CAS No. 95-80-7)	≤ 30 ppm	ND
2,4,5-Trimethylaniline (CAS No. 137-17-7)	≤ 30 ppm	ND
2-Methoxyaniline (CAS No. 90-04-0)	≤ 30 ppm	ND
p-Aminoazobenzene (CAS No. 60-09-3)	≤ 30 ppm	ND

Notes: ND = Not Detected, Detection Limit = 5 ppm

SAMPLE IMAGE[†]



Light



Dark

