

# AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile Testing  
A.B.N. 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O. Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

CLIENT : AFRDI - LEATHER  
PO BOX 2042  
LAUNCESTON TASMANIA 7250

TEST NUMBER : 7-547593-MV  
DATE : 05/09/2006  
ORDER NUMBER : 6357

SAMPLE DESCRIPTION Clients Ref: "6357/3"  
Sample of leather Medici  
Colour: Beige  
Classification: Semi Aniline

ISO 105-B02-1994  
LAMP: XENON ARC  
METHOD 1

Colourfastness to Light

Lightfastness rating 6-7

Test terminated when blue wool standard 7 changed  
shade equivalent to 4-5 on the standard grey  
scale

Tested on a water cooled Atlas Ci4000 Weatherometer  
at 63 degC black panel temperature and 50% Relative  
Humidity at 420nm. Exposed with SDC standard blue  
scales.

Compliance to AFRDI standard 146-2006

Complies

Requirement semi-aniline 4 minimum

ISO 11640-1993(E) Colourfastness to Cycles of To and Fro Rubbing

	Dry	Wet
Colour change	5	5
Staining of felt	5	5
Felt type used	white	white
Appearance change	Nil	Nil

Compliance to AFRDI standard 146-2006 Appendix 1

Complies

Requirement:	Dry	Wet
semi aniline	4	3-4 min

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ISO 11640-1993(E) Colourfastness to Cycles of To and Fro Rubbing  
CLAUSE 6.4 (Perspiration Solution)

Colour change 5  
Staining of felt 5  
Felt type used white  
Appearance change Nil

Compliance to AFRDI standard 146-2006 Appendix 1  
Complies  
Requirement: semi aniline 3-4 minimum

ISO 11644-1993 Determination of Adhesion of Finish

Parallel to backbone 2.8 N/10mm  
Perpendicular to backbone 3.8 N/10mm  
Mean adhesion strength 3.3 N/10mm  
Number of specimens tested 6

Comments: Individual layer removed  
Approx 10% of the leather skin removed  
Adhesive used: Two component polyurethane adhesive  
comprising a resin and hardener as per clause 5.6  
Tested in standard atmosphere: 20+/-2degC and 65+/-3%  
Relative Humidity

Compliance to AFRDI standard 146-2006  
Complies  
Requirement; 2N per 10mm minimum for both class semi-  
aniline and pigmented corrected grain finished split

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ISO 3377.1-2002 Determination of Tear Load  
Part 1: Single edge tear

Mean tear load		
Parallel to backbone	62.6	N
Perpendicular to backbone	44.2	N
Overall mean tear load	53.4	N

Tested in standard condition: 20+/-2degC and 65+/-3%  
Relative Humidity

Compliance to AFRDI standard 146-2006  
Complies  
Requirement 20N minimum

ISO 4045-1977(E) Leather - Determination of pH

Mean pH	3.8
Mean difference value	0.3

Aqueous extract filtered through "Whatman 54"  
Filter paper prior to measuring

Compliance to AFRDI standard 146  
Complies  
Requirement: greater than 3.2

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