

Laboratory Accreditation Programmes

 Schedule to
CERTIFICATE OF ACCREDITATION

New Zealand Leather & Shoe Research Association

Client No. 251

 PO Box 8094, Hokowhitu, Palmerston North, 4446
 Fitzherbert Science Centre, 69 Dairy Farm Road, RD 4, Palmerston North, 4474

Telephone 06 355-9028
www.lasra.co.nz
Authorised Representative

 Mr Brendon Hayman
 Quality Manager

Programme

Chemical Testing Laboratory

Accreditation Number 554
Initial Accreditation Date 27 March 1995
Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

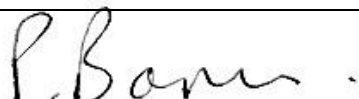
Testing Services Summary

 2.23 Leather
 2.81 Other Specified Inorganic Material

Key Technical Personnel

 Mr Brendon Hayman 2.23, 2.81
 Mr Rafea Naffa 2.23; selected

 Authorised:
 General Manager



Issue 43

Date: 01/04/20

Page 1 of 4

Schedule to
CERTIFICATE OF ACCREDITATION

New Zealand Leather & Shoe Research Association
 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 554

2.23 Leather

(a) Leather - wet and dry

1, 2-benzisothiazol-3(2H)-one (BIT)	In-house method
Amino acids	In-house method
Chromic oxide (AAS)	In-house method
Chromic oxide (iodometric titration)	ISO 5398-1:2007
Determination of pH	BS EN ISO 4045:2008
Free formaldehyde	ISO/TS 17226:2008
Hexavalent chromium	ISO 17075.2:2017
Nitrogen and protein	ISO 5397:1984 (modified for wet)
pH of surface	In-house method
Preparation of sample by grinding	ISO 4044:2008
Shrinkage temperature	ISO 3380:2002 (modified)
Substances soluble in dichloromethane (grease and FFA)	ISO 4048:2008
Volatile matter	ISO 4684:2005

In accordance with ISO 13365:2011 using high performance liquid chromatography and based on the manufacturers methods indicated

Determination of the preservative (TCMTB, PCMC, OPP, OIT) content
 Methylene bis-thiocyanate
 Ortho phenyl phenol
 Other fungicides
 Parachlorometacresol

Alternative method for analysis using Gas Chromatography – Mass Spectrometry and based on the manufacturers methods indicated.

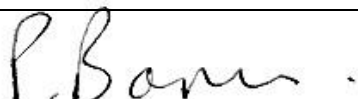
Determination of the preservative (PCMC, OPP, OIT) content
 4-chloro-3-methylphenol
 4-phenylphenol
 2-octylisothiazol-3(2H)-one

(b) Pickled pelts

In accordance with In-house methods except where otherwise indicated.

Calcium sulphate: total protein ratio
 Iron (AAS)
 Shrinkage temperature ISO 3380:2002 (modified)
 Soluble protein: total protein ratio (calculation)

Authorised:
 General Manager



Issue 43 Date: 01/04/20

Page 2 of 4

Schedule to
CERTIFICATE OF ACCREDITATION

New Zealand Leather & Shoe Research Association
 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 554

Nitrogen and protein ISO 5397:1984

In accordance with ISO 13365:2011 methods using high performance liquid chromatography and based on the manufacturers methods indicated

Determination of the preservative (TCMTB, PCMC, OPP, OIT) content
 Methylene bis-thiocyanate
 Ortho phenyl phenol
 Other fungicides
 Parachlorometacresol

(c) Salt cured skins

Dichlorophen 2,2' – methylenebis (4-chorophenol) In-house via HPLC

In accordance with In-house methods except where otherwise indicated.

Free acid expressed as Boric acid
 Sodium chloride
 Sodium metabisulphite Monier - Williams
 Volatile matter (modified) ISO 4684:2005

(e) Other related products – Pickled pelts (expressed and extracted liquors)

In accordance with In-house methods

Acid content
 pH
 Sodium chloride

(e) Other related products – Woolskins

Free formaldehyde in woolskins ISO/TS 17226:2008 part 1

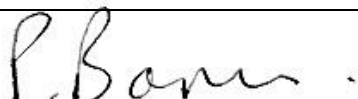
2.81 Other Specified Inorganic Material

In accordance with In-house methods based on the references indicated.

(i) Sodium sulphide and sodium hydrosulphide

Iron (AAS)

Authorised:
 General Manager



Issue 43 Date: 01/04/20

Page 3 of 4

Schedule to
CERTIFICATE OF ACCREDITATION

 New Zealand Leather & Shoe Research Association
 Chemical Testing Laboratory

Accreditation Number 554

SCOPE OF ACCREDITATION

Purity (iodometry)

(ii) Chrome tanning powder

Basicity	SLTC:SLT 6
Chromic oxide	SLTC:SLT 6
Hexavalent chromium	ISO 17075
Insolubility	In-house method
pH	SLTC:SLT 6

(iv) Boric acid

 H₃BO₃ Purity
 Moisture (by oven drying)

(v) Sodium chloride

 Moisture (by oven drying)
 Sodium chloride (NaCl) Purity

(vii) Process liquors

Calcium	AAS methods
Chromium	ISO 5398 (modified)
Chromium	AAS methods
Magnesium	AAS methods
Sodium	AAS methods

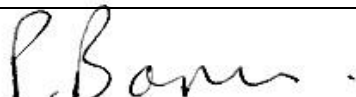
(vii) Process chemicals

Sodium metabisulphite

References:

SLTC Society of Leather Technologists and Chemists Official Methods of Analysis 1996

 Authorised:
 General Manager



Issue 43 Date: 01/04/20

Page 4 of 4