

CERTIFICATE OF ACCREDITATION



New Zealand Leather & Shoe Research Association

Client Number 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

Laboratory Services Summary

2.23	Leather
2.81	Other Specified Inorganic Material

Key Technical Personnel

Mr Brendon Hayman	2.23, 2.81
Mrs Ramandeep Kaur	2.23, 2.81

Operations Manager Authorisation:		Issue 47	Date:18/12/23	Page 1 of 3
--------------------------------------	--	----------	---------------	-------------



New Zealand Leather & Shoe Research Association
 Chemical Testing Laboratory

Accreditation Number 554

SCOPE OF ACCREDITATION

2.23 Leather

(a) Leather – wet and dry

Chromic oxide (iodometric titration)	ISO 5398-1:2018
Determination of pH	BS EN ISO 4045:2008
Free formaldehyde	ISO/TS 17226-1:2021
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 4048:2018
Volatile matter	ISO 4684:2005 (modified)

In accordance with ISO 13365:2020 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

(b) Pickled pelts

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

Calcium sulphate: total protein ratio	
Shrinkage temperature	ISO 3380:2002 (modified)
Soluble protein: total protein ratio (calculation)	
Nitrogen and protein	ISO 5397:1984

In accordance with ISO 13365:2020 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

Operations Manager Authorisation:		Issue 47	Date:18/12/23	Page 2 of 3
--------------------------------------	--	----------	---------------	-------------



New Zealand Leather & Shoe Research Association
Chemical Testing Laboratory

Accreditation Number 554

SCOPE OF ACCREDITATION

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

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 except where otherwise indicated.

(i) Sodium sulphide and sodium hydrosulphide

Purity (iodometry)

(ii) Chrome tanning powder

Basicity

Chromic oxide

Insolubility

pH

SLTC:SLT 6

SLTC:SLT 6/1

In-house method

SLTC:SLT 6/3

(vii) Process liquors

Chromium

ISO 5398-1 (modified)

References:

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

Operations Manager
Authorisation:

Issue 47

Date:18/12/23

Page 3 of 3