

CERTIFICATE OF ACCREDITATION



New Zealand Leather & Shoe Research Association

Client Number 251

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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

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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

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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

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