

Weld qualification test report



Report number LW25-1990-01 WPWQ

Customer FUSION-WELD ENGINEERING PTY LTD

Address 1865 Frankston Flinders Road Hastings VIC Australia 3915

Requested by Brian Cameron

Purchase Order PO 0697

Test activity dates 22/12/2025

Description Welder qualification testing

Identification WPS: 004 / PQR : Q-004

WPS No. WPS 004

Welders name Garion

Welders ID G

Material shape Plate to plate

Joint type FW

Thickness T1: 10 mm T2: 10 mm

Weld process GTAW (Position 2F)

Material Grade ASTM A240/240M Type 316L

Weld consumable Not advised by the client

Test results Refer to the following summary and details on the following pages.

REVOKED

Macro test	Complied
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**Accredited for compliance with
ISO/IEC 17025-Testing**

Refer to the following pages for details of test conducted and Signatories.

Issue date : 22/12/2025

Macro test

Accredited laboratory LMATS Melbourne Laboratory
Job address LMATS Melbourne Laboratory
Test specification AS 1554.6 - 2012 - Qualification of personel
Test method AS/NZS 2205.5.1:2019 (ISO 17639:2003)-Macro test - weld
Specimen location Location as per specification Standard
Preparation Cold cutting followed by stage grinding to P#1200 coated abrasives
Etchant & process 10% Oxalic acid electrolytic etching
Weld geometry Refer to the photographs on following pages.
Approved tester Prakash Salian (AINDT MT PT L2)

Specimen 1 :

Test date 22/12/2025
Magnification x 5 approximately (refer to the photograph)
Leg length 5 mm, 4 mm
Throat thickness 3 mm
Discontinuities Nil
Comments Multi pass
Test results The test results comply with the specification requirements.

Specimen 2 :

Test date 22/12/2025
Magnification x 5 approximately (refer to the photograph)
Leg length 2 mm
Throat thickness 1.5 mm
Discontinuities Nil
Comments Single pass
Test results The test results comply with the specification requirements.

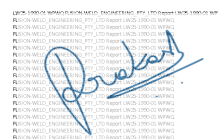
REVOCKED



Accreditation No. 15840

Accredited for compliance with
ISO / IEC 17025 - Testing

Signatory
Prakash Salian
(AINDT MT PT L2)



Report issued on 22/12/2025

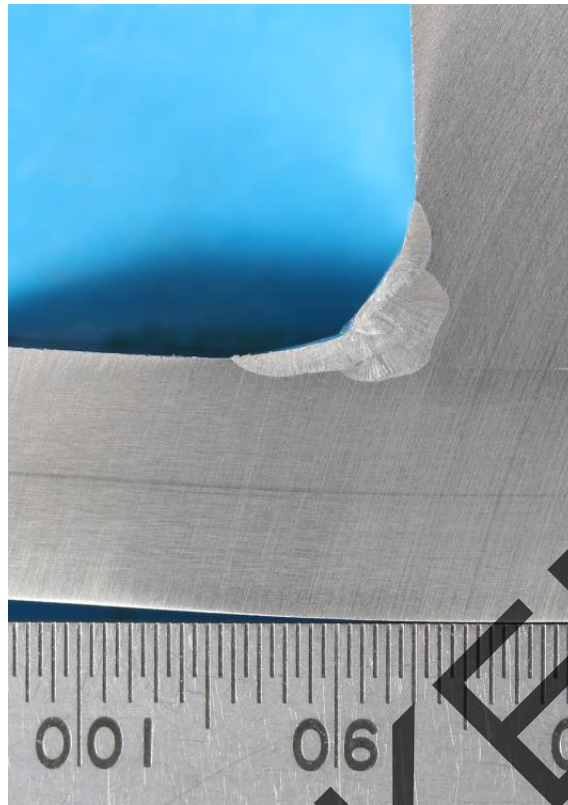


Image 1 of 2 - Macro Specimen 1



Image 2 of 2 - Macro Specimen 2

Normative general notes

1. Test and inspection items may be discarded after 6 weeks, unless alternative arrangements are made with LMATS.
2. Samples, identification of samples and all job specific details were supplied by the client. The test results relate only to the items tested or sampled.
3. Any stated nominal pipe sizes and nominal thickness of the material were provided by the client.
4. Where applicable, the Measurement Uncertainty (MU) applies to the test results as per LMATS procedure. MU can be obtained by contacting one of LMATS ISO 17025 accredited laboratories.
5. Acceptance criteria is applied from the test specification. If the test specification does not include acceptance criteria, then the test or inspection results should be referred to a competent authority for further action.
6. Refer to the attached revision notes if this report has been revised. This report shall not be reproduced except in full without approval of the issuing laboratory to ensure that parts of a report are not taken out of context. The client or their representatives shall not edit this report.
7. LMATS or its professional indemnity insurance provider do not indemnify the contents within this report or the conformity of a tested product unless the invoice for the reported work is paid in full within the agreed credit terms. Reports will be revoked if the invoice for the completed work is not paid in full.

REVOKED

Abbreviations used in this report

A - No discontinuities detected	KC - Crater crack	RP - Report findings
BT - Burn (melt) Through	KL - Longitudinal crack	SED - Excessive Dressing (underflushing)
C - Comply	KT - Transverse crack	SGI - Incompletely filled Groove
CP - Crater Pipe	LI - lack of Inter-run fusion	SGS - Shrinkage Groove
DNC - Does Not Comply	LP - Incomplete root Penetration	SMG - Grinding Mark
EC - Elongated Cavity (hollow bead)	LR - lack of Root fusion (missed edge)	SMH - Hammer Mark
F - Failed	LS - lack of Side fusion	SMT - Tool Mark (chipping mark)
GP - Gas Pore	NRRD - No Recordable Reflections Detected	SRC - Root Concavity (Suck back)
HiLo - Linear misalignment	NUSID - No unacceptable Surface Indications Detected	SSP - Spatter
IC - Copper Inclusion	P - Passed	SUC(e) - Undercut External
IL - Linear Inclusion (slag line)	p.d. - Processing / film Defects	SUC(i) - Undercut Internal
IN - Inclusion	PG - Localized Porosity	SXP - Excessive Penetration
IO - Oxide Inclusion (wagon tracks)	PL - Linear Porosity	WH - Worm Hole
IT - Tungsten Inclusion	PU - Uniform Porosity	