

Weld qualification test report



Report number	LP26-1499-03 WPWQ
Customer	ASGARD Engineering
Address	51 Miguel Road Bibra Lake WA Australia 6163
Requested by	QAQC
Purchase Order	59044.907 - WOR-PR-0136
Client Job Request No.	59044.907 - WOR-PR-0136.01
Test activity dates	12/06/2026
Description	Welding procedure qualification testing
Identification	Refer to the WPWQ identification data
WPQR No.	AGE-WPQR-BW009
Welders name	Mishael Selim
Welders ID	668
Material shape	Plate to plate
Joint type	Butt weld - single bevel
Thickness	T1: 10 mm T2: 10 mm
Weld process	FCAW (Position 1G)
Material Grade	AS 3678 Grade 350 L0
Material Heat No.	AS/NZS 3678 Gr350L0 Heat# V68614FD38636703
Test results	Refer to the following summary and details on the following pages.

REVOKED

Macro test	Complied
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Accreditation No. 15840

**Accredited for compliance with
ISO/IEC 17025-Testing**

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

Issue date : 12/06/2026

Report no. LP26-1499-03 WPWQ, ASGARD Engineering, Page 1 of 4, Format no. OMS MF-RP-26 WPWQ OMS(Rov. 5.0 20260523)

Macro test

Accredited laboratory	LMATS Perth Laboratory
Job address	LMATS Perth Laboratory
Test specification	AS/NZS 1554.1:2014 - Category SP (WPS/Welder Qualification tests)
Test method	AS/NZS 2205.5.1:2024 (ISO 17639:2022)-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% Nital swabbing
Weld geometry	Scale indicates 1mm graduation Refer to the photographs on following pages.
Approved tester	Alex Khomoutov

Specimen 1 :

Test date	12/06/2026
Magnification	x 5 approximately (refer to the photograph)
Width	18
Throat thickness	6 mm
Discontinuities	Nil
Comments	The etched cross-section showed complete penetration and fusion with no evidence of cracks, gross porosity or inclusions.
Test results	The test results comply with the specification requirements.

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Signatory
Alex Khomoutov

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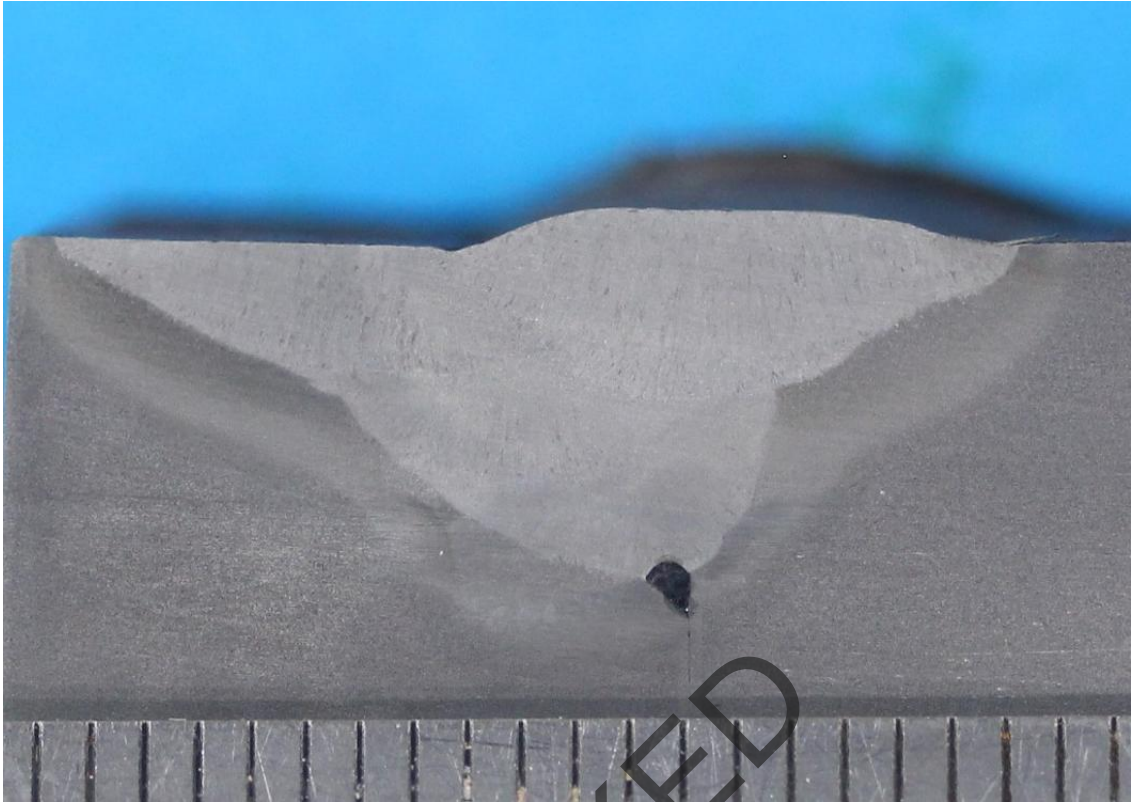


Image 1 of 1 - Macro Specimen 1 (1 Graduation = 1mm) M1

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	