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Tensile test report

Report number	LS25-2139-01 TN
Customer name	Evermil Pty Ltd
Address	281 Princes Hwy Unanderra NSW Australia 2526
Requested by	Keith Sperring
Purchase order	PO-3085
Accredited laboratory	LMATS Sydney Laboratory
Job address	LMATS Sydney Laboratory
Test activity dates	13/08/2025
Item description	Testing on steel pipe
Identification	Sample 1, Sample 7
Material grade	ASTM A106/A106M-18 Grade B
Test specification	ASTM A106/A106M-19a - Grade B, Client's Requirements - Report Results
Test method	ASTM A370 - 2023-Tensile test
Elongation measured	After fracture
Specimen data	Longitudinal, Rectangular, Uncoated, Location as per specification Standard
Specimen preparation	Machined, longitudinal, full thickness, reduced section
Test temperature	Ambient
Testing rate	ASTM E8 Method A: Rate of stressing
Approved tester	Edward Chen (BEng Hons Materials Science and Engineering)
Test results	Refer to the table on the following pages



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

Signatory
Edward Chen
(BEng Hons Materials Science and
Engineering)

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Report issued on 13/08/2025

Table 1: Test area / items identification (provided by the client) and results

Item identification	Specimen ID	Dimension (mm)	GL (mm)	Max force (kN)	Fracture position	UTS (MPa)	0.2% Proof (MPa)	%E or A _g	Test result
Sample 1	LS25-2139-01 TN-1	16.19 & 12.52	50.0	104.21	Central third	514	420	18.6	C
Sample 7	LS25-2139-01 TN-2	16.95 & 12.57	50.0	97.95	Central third	460	235	38.4	DNC
Requirements : ASTM A106/A106M-18 Grade B					Minimum	415	240	NA	
					Maximum	1000	1000	NA	

Legend: Ag - % Elongation @ stated gauge length, Ar - Proportional % elongation @ √5.65 So, C - Comply, DNC - Did not comply, E - Elongation, E(μm) - Elongation within stated tolerance, F - Failed, GL – Gauge Length, Ls - Shank length, NA - Not applicable, N - Elongation > within specified tolerance, P - Passed, PS - Proof Stress, ROA - Reduction of Area, RP - Report findings, UTS - Ultimate Tensile Strength, Y - Elongation <= within specified tolerance

Comments

Nil

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.