



**Acuren Group Inc.**  
12271 Horseshoe Way  
Richmond, BC, Canada V7A 4V4  
www.acuren.com

Phone: 604.275.3800  
Fax: 604.274.7235

**A Higher Level of Reliability**



## MECHANICAL TEST REPORT

DUKE'S METAL INDUSTRIES  
1295 WEST 75<sup>TH</sup> AVENUE  
VANCOUVER, BC  
V6P 3G4

DATE: September 20, 2022

OUR FILE NO: 604-J029285

P.O. NO: COD

REPORT NO: 6 - Revision 1

ATTENTION: **MOHSEN HAJIABADI**

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SAMPLE One (1) – 4" x 4" x 0.146" (9GA) Galvanized Wire Mesh Sheet, Galvanized, W1.7 Size.  
DESCRIPTION: Nominal Diameter: 0.146" Nominal Area: 0.017 in<sup>2</sup>  
TEST SPECIFICATION: ASTM A370-21 / ASTM A1064/A1064M-18a  
MATERIAL SPECIFICATION: ASTM A1064/A1064M-18a Grade 65

### TENSILE TEST – Clause 8.1

SPECIMEN IDENTIFICATION	YIELD STRENGTH 0.2% OFFSET (KSI)	TENSILE STRENGTH (KSI)	% REDUCTION IN AREA	BEND TEST
Specimen #1 (Transverse Weld in centre of test length)	72.7	84.1	*	--
Specimen #2 (No weld in test length)	73.9	87.7	53.1	Pass
Requirement: ASTM A1064/A1064M-18a, Grade 65	65.0 min	75.0 min	30 min	1d, 180°

\* Failure occurred in weld.

Tensile tests completed on August 9, 2022

### WELD SHEAR STRENGTH TEST – Clause 8.3

SPECIMEN IDENTIFICATION	WELD SHEAR STRENGTH (LBF)	AVERAGE WELD SHEAR STRENGTH (LBF)
Specimen #3	1,300	1,241
Specimen #4	1,198	
Specimen #5	1,134	
Specimen #6	1,332	
Requirements: ASTM A1064/A1064M-18a		595 min

- BC Safety Authority Certificate of Recognition Registration No. CR-5
- Test machine calibrated to ASTM E4 and CSA A23.2-9C specifications.
- Specimens will be disposed of after 30 days unless alternate provisions are made.

Reported by: Mikhail  
Mikhail Cotia, Technologist

Reviewed by: Jim Coulman  
Jim Coulman, ASCT

Revision 1: Revise company name.

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