



MECHANICAL TEST REPORT

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

DATE: September 20, 2022
 OUR FILE NO: 604-J029285
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 REPORT NO: 7 - Revision 1
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ATTENTION: **MOHSEN HAJIABADI**

SAMPLE One (1) – 4" x 4" x .192" (6GA) Galvanized Wire Mesh Sheet, Galvanized, W2.9 Size.
 DESCRIPTION: Nominal Diameter: 0.140" Nominal Area: 0.029 in²
 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)	116.7	124.5	*	--
Specimen #2 (No weld in test length)	114.4	133.0	36.0	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	1,447	2,036
Specimen #4	2,509	
Specimen #5	1,887	
Specimen #6	2,303	
Requirements: ASTM A1064/A1064M-18a		1,015 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: J. Coulman
 Jim Coulman, ASCT

Revision 1: Revise company name.

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