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**A Higher Level of Reliability**



## MECHANICAL TEST REPORT

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

DATE: October 31, 2022  
OUR FILE NO: 604-J034169  
P.O. NO: COD  
REPORT NO: 1  
PAGE: 1 of 1

ATTENTION: **MOHSEN HAJIABADI**

SAMPLE DESCRIPTION: One (1) – 4" x 4" x 0.304" (0GA) Plain Wire Mesh Sheet

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)	93.2	100.6	*	--
Specimen #2 (No weld in test length)	93.7	101.0	48	Pass
Requirement: ASTM A1064/A1064M-18a, Grade 65	65.0 min	75.0 min	30 min	1d, 180°


\* Failure occurred in weld.

### WELD SHEAR STRENGTH TEST – Clause 8.3

SPECIMEN IDENTIFICATION	WELD SHEAR STRENGTH (LBF)	AVERAGE WELD SHEAR STRENGTH (LBF)
Specimen #3	3,567	3,410
Specimen #4	3,312	
Specimen #5	3,369	
Specimen #6	3,394	
Requirements: ASTM A1064/A1064M-18a (35000 x nominal area)		2,450 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 Cotia, Technologist

Reviewed by:   
Jim Coulman, ASCT

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