



MECHANICAL TEST REPORT

DUKE'S METAL INDUSTRIES
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ATTENTION: **MOHSEN HAJIABADI**

SAMPLE DESCRIPTION: One (1) – 6" x 6" x 0.129" (10GA) 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
Sample #1 (Transverse Weld in centre of test length)	108.3	118.9	41.7	--
Sample #2 (No weld in test length)	99.8	113.6	49.1	Pass
Requirement: ASTM A1064/A1064M-18a, Grade 65	65.0 min	75.0 min	30 min	1d, 180°

WELD SHEAR STRENGTH TEST – Clause 8.3

SPECIMEN IDENTIFICATION	WELD SHEAR STRENGTH (LBF)	AVERAGE WELD SHEAR STRENGTH (LBF)
Sample #3	641	746
Sample #4	877	
Sample #5	798	
Sample #6	666	
Requirements: ASTM A1064/A1064M-18a (35000 x nominal area)		457 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, Technolgist

Reviewed by: Jim Coulman
 Jim Coulman, ASCT

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