



Asian Institute of Technology

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LABORATORY TESTS ON STEEL WIRE

Submitted to: K.O.H. International Co., Ltd.
Project: Quality Check
Sample submitted by: K.O.H. International Co., Ltd.
Sample Description: กล้องลวดตาข่าย Gabions 1x2x0.5 เมตร ช่องตาข่าย 12x13 cm
Date Tested: 14 November 2025
Date Submitted: 14 November 2025
Testing Atmosphere: $23 \pm 2^\circ\text{C}$ temperature and $65 \pm 5\%$ humidity
Job No: GST25-271

Zinc or Zinc-alloy Coatings Test (ASTM A90)

Test Results:

Sample Description	Measured value g/m^2
2.5 mm Wire	71.87

Tension Testing of Metallic Material (ASTM E-8)

Test Results:

Sample Description	Measured diameter, mm	Measured Yield Tensile strength, kg/mm^2	Measured Maximum tensile strength, kg/mm^2
2.5 mm Wire	2.45	37.95	54.71

Submitted by:

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ASIAN INSTITUTE OF TECHNOLOGY
Geotechnical and Earth Resources Engineering Program

Zinc or Zinc-alloy Coatings Test
ASTM A90

Submitted to: K.O.H. International Co.,Ltd.

Date: 14-Nov-25

Sample: กล่องลวดตาข่าย Gabions 1x2x0.5 เมตร ช่องตาข่าย 12x13 cm

Tested by: Chalermwut

Checked by: Nussarin

Zinc coating	Zinc coat, g/m ²
2.5 mm Wire	71.87



ASIAN INSTITUTE OF TECHNOLOGY
Geotechnical and Earth Resources Engineering

Tension Testing of Metallic Material
ASTM E-8

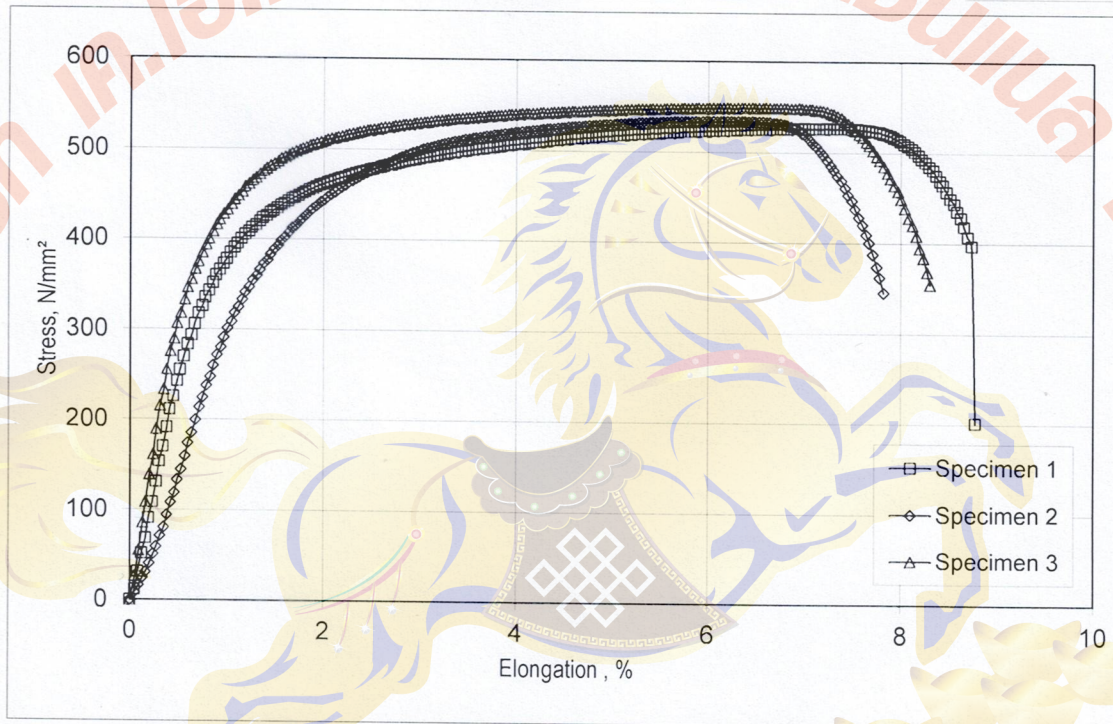
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Tested by: Chalermwut

Sample: 2.5 mm Wire

Checked by: Nussarin



	Unit	Specimen 1	Specimen 2	Specimen 3	Mean
Diameter	mm	2.44	2.45	2.46	2.45
Area	mm ²	4.68	4.70	4.74	4.71
Gage length	mm	100.00	100.00	100.00	100.00
Maximum Load	N	2462.28	2510.66	2601.38	2524.77
Yield Strength	N/mm ²	390.70	359.39	366.47	372.19
Max Tensile Strength	N/mm ²	526.58	533.86	549.11	536.52
Elongation at Max	mm	7.00	6.05	6.46	6.50

