



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: กล่องลวดตาข่าย Gabions 1x2x1 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: GST25-270

Zinc or Zinc-alloy Coatings Test (ASTM A90)

Test Results:

Sample Description	Measured value g/m^2
2.5 mm Wire	67.01

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	27.52	48.18

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.

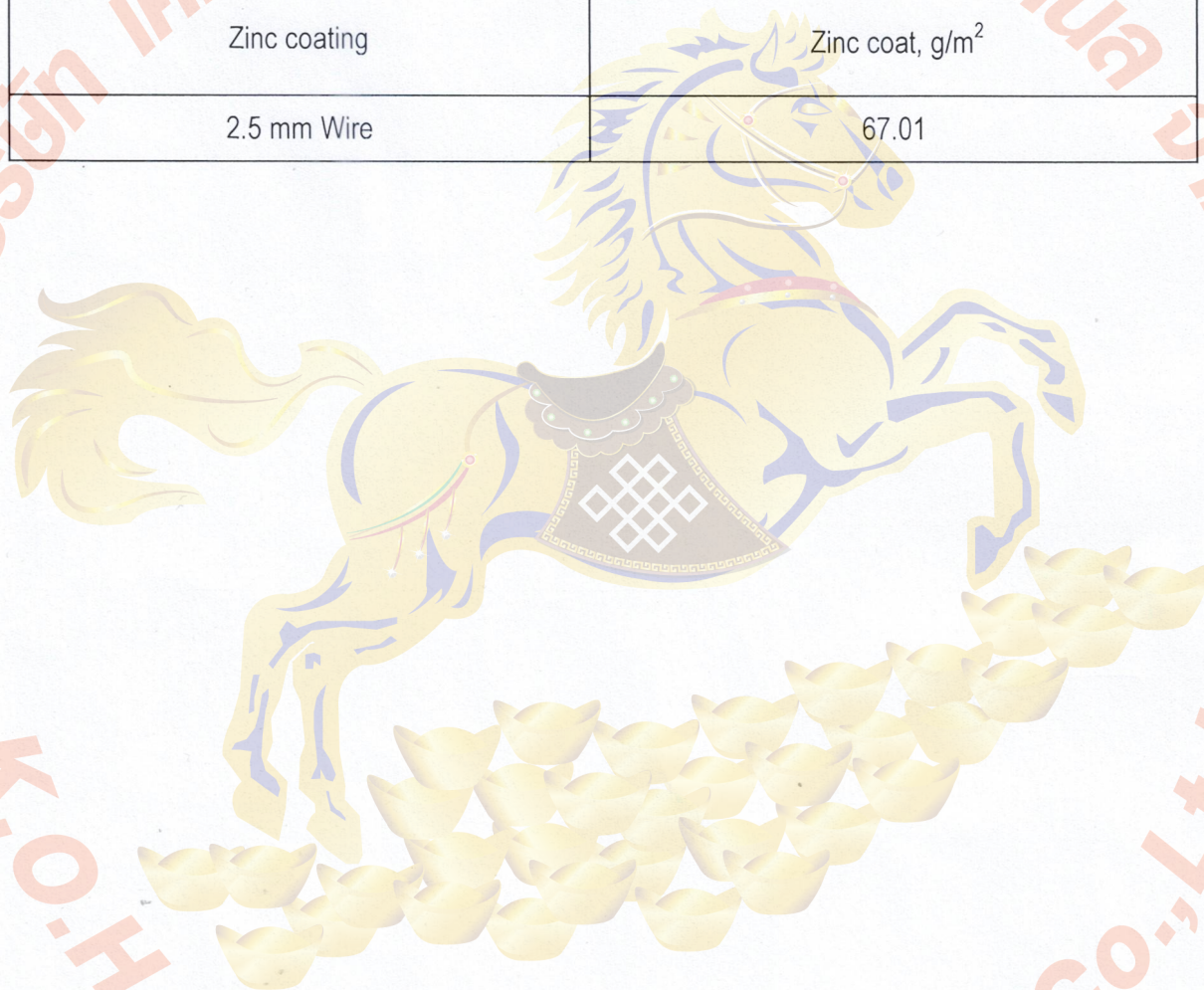
Date: 14-Nov-25

Sample: กล่องลวดตาข่าย Gabions 1x2x1 เมตร ช่องตาข่าย 12x13 cm

Tested by: Chalermwut

Checked by: Nussarin

Zinc coating	Zinc coat, g/m ²
2.5 mm Wire	67.01



ASIAN INSTITUTE OF TECHNOLOGY
Geotechnical and Earth Resources Engineering

Tension Testing of Metallic Material
ASTM E-8

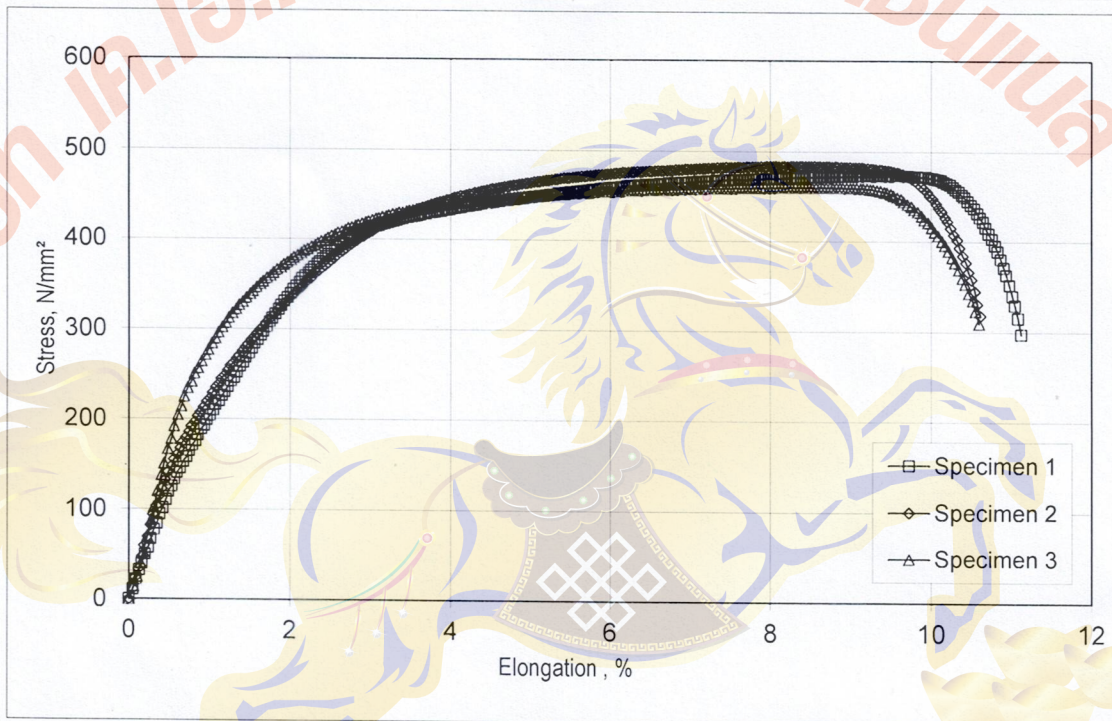
Submitted to: K.O.H. International Co.,Ltd.

Date: 14-Nov-25

Tested by: Chalermwut

Sample: 2.5 mm Wire

Checked by: Nussarin



	Unit	Specimen 1	Specimen 2	Specimen 3	Mean
Diameter	mm	2.45	2.46	2.45	2.45
Area	mm ²	4.73	4.74	4.71	4.72
Gage length	mm	100.00	100.00	100.00	100.00
Maximum Load	N	2237.49	2292.93	2167.13	2232.52
Yield Strength	N/mm ²	297.27	262.14	250.18	269.86
Max Tensile Strength	N/mm ²	473.45	484.00	460.06	472.50
Elongation at Max	mm	9.53	8.55	8.40	8.83

