



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: ตะแกรงกรงไก่ #25 ดา 1/2" ขนาด 0.91x30 เมตร
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

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
ตะแกรงกรงไก่ #25 ดา 1/2"	0.43	63.68	84.17

Submitted by:


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Manager, ACSIG
Asian Institute of Technology


Dr. Kuo-Chieh Chao
Director, ACSIG
Asian Institute of Technology

AIT

ASIAN INSTITUTE OF TECHNOLOGY
Geotechnical and Earth Resources Engineering

Tension Testing of Metallic Material
ASTM E-8

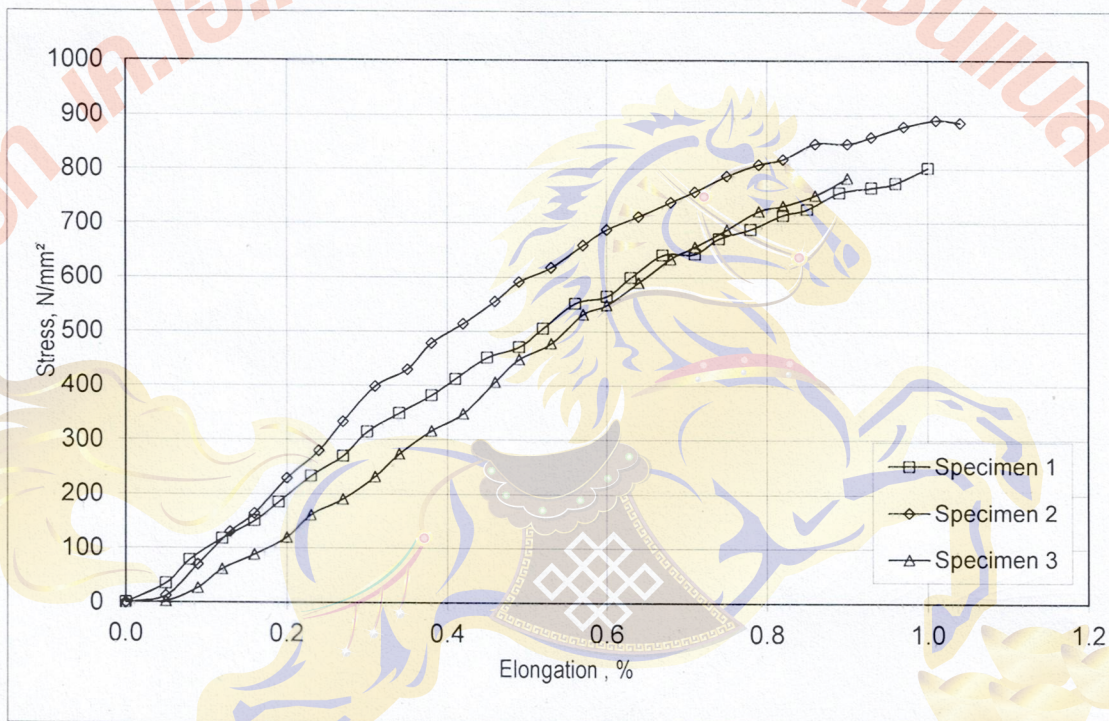
Submitted to: K.O.H. International Co.,Ltd.

Date: 14-Nov-25

Tested by: Chalermwut

Sample: ตะแกรงกรงไก่ #25 ตา 1/2"

Checked by: Nussarin



	Unit	Specimen 1	Specimen 2	Specimen 3	Mean
Diameter	mm	0.44	0.42	0.42	0.43
Area	mm ²	0.15	0.14	0.14	0.14
Gage length	mm	100.00	100.00	100.00	100.00
Maximum Load	N	123.65	123.99	107.52	118.39
Yield Strength	N/mm ²	599.48	617.94	656.21	624.54
Max Tensile Strength	N/mm ²	802.23	890.70	783.51	825.48
Elongation at Max	mm	1.00	1.01	0.90	0.97

