



# CS CO.,LTD.

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Cert No. : F090-20003-03

Date : Dec.03,2020

## MILL TEST CERTIFICATE

Customer : KAPTAN CELIK HALAT SAN.VE TIC. A.S

L/C No. : \_\_\_\_\_ Order No. : CSP20-0614

Commodity : GALVANIZED STEEL WIRE ROPE

Construction : 6x19+FC Grade : 1770

Specification : EN12385-4 Lubrication : DRY

Diameter : 8.00 MM Reel No. : 1-20

Quantity : 20 Reels Length : 1,000 M

Kind of Lay : RHOL Weight : \_\_\_\_\_

**ORIGINAL**

### RESULT OF TEST

| ITEM                           | SPECIFICATION |                        |      | ACTUAL            |  |
|--------------------------------|---------------|------------------------|------|-------------------|--|
|                                |               |                        |      |                   |  |
| Diameter of Rope               | 8.00 ~ 8.40   | mm                     | 8.12 | mm                |  |
| Preforming                     | GOOD          |                        | GOOD |                   |  |
| Length Lay of Wire Rope        | Max.          | - mm                   | 52.0 | mm                |  |
| Breaking Strength of Wire Rope | Min.          | 34.8 kN                | 36.9 | kN                |  |
| Nominal Diameter of Outer Wire |               |                        | 0.52 | mm                |  |
| Tensile Strength of Wire       |               | 1770 N/mm <sup>2</sup> | 1850 | N/mm <sup>2</sup> |  |
| Number of Torsion of Wire      | Min.          | 28 Turns               | 43   | Turns             |  |
| Weight of Zinc Coating of Wire | Min.          | 50 g/m <sup>2</sup>    | 53   | g/m <sup>2</sup>  |  |

### CHEMICAL ANALYSIS OF WIRE ROD

(%)

| Heat No. | C      | Si     | Mn     | P      | S      | Ni | Cr | Mo |
|----------|--------|--------|--------|--------|--------|----|----|----|
| SA51614  | 0.6221 | 0.2100 | 0.5290 | 0.0176 | 0.0108 |    |    |    |

### REMARKS

"Manufactured in accordance with Quality Management System approved to IATF 16949 : 2016, ISO 9001 : 2015"



**CS CO., LTD. / S. J. Jo**  
**QUALITY ASSURANCE**

Authorized Quality Assurance Personnel