



CS CO.,LTD.

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Cert No. : F090-22001-02

Date : Dec.19,2022

MILL TEST CERTIFICATE

COPY

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

L/C No. :

Order No. : CSP22-0362

Commodity : GALVANIZED STEEL WIRE ROPE

Construction : 19x7

Grade : 1770

Specification : EN12385-4

Lubrication : A1

Diameter : 10.00 MM

Reel No. : 1-2

Quantity : 2 Reels

Length : 1,500 M

Kind of Lay : RHOL

Weight :

RESULT OF TEST

ITEM	SPECIFICATION			ACTUAL	
Diameter of Rope	10.00 ~ 10.50	mm		10.2	mm
Preforming	GOOD			GOOD	
Length Lay of Wire Rope	Max.	-	mm	60.0	mm
Breaking Strength of Wire Rope	Min.	58.1	kN	67.5	kN
Nominal Diameter of Outer Wire				0.66	mm
Tensile Strength of Wire		1770	N/mm ²	1868	N/mm ²
Number of Torsion of Wire	Min.	28	Turns	49	Turns
Weight of Zinc Coating of Wire	Min.	60	g/m ²	64	g/m ²

CHEMICAL ANALYSIS OF WIRE ROD

(%)

Heat No.	C	Si	Mn	P	S	Ni	Cr	Mo
SF60102	0.6396	0.1790	0.4930	0.0123	0.0081			

REMARKS

* NON-ROTATING

"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