



CS CO.,LTD.

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Cert No. : F090-22001-02

Date : Dec.19,2022

MILL TEST CERTIFICATE

ORIGINAL

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"



S. J. Jo
 CS CO., LTD. / S. J. Jo
 QUALITY ASSURANCE
 Authorized Quality Assurance Personnel