

CERTIFICATE NO	706-2023
COMMODITY	
QUALITY	S235JR
PRODUCT NAME	FLAT BARS
RELEVANT STANDARTS	EN 10025-2 2019 / EN ISO 6892 -1

SHIPPER	MESÇİER D,Ç,SAN,TİC,LTD,STİ,		
CUSTOMER	KROMAN ÇELİK SANAYİİ A,Ş AŞİROĞLU C DARICA / KOCAEL		
VESSEL			
İRSALİYE NO:			
ORDER NO		PAGE	1 of 1

MECHANICAL PROPERTIES							CHEMICAL COMPOSITION																													
							TENSION TEST				CHARPY TEST(1) VALUE (J/OULE) TEST PIECES WIDTH (mm)	BEND TEST (2)	RE-BEND TEST (2)	FATIGUE TEST (4)	PRODUCT ANALYSIS																					
															ELONGATION	Rm / Re	TENSILE S.(Rm)	YIELD S. (Re)	ORIENTATION(3)	N/mm2	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Al	W	Nb	N	CARBON EQUIVALENT (CEV)
TEST PIECES NO	HEAT NO	SIZE (mm)	QUANTITY (Tons)	PCS (BNDL)	LENGHT (m)	WORK ORDER																														
	23M01119	30x4						349,2	495,9	1,42	32,3						0,16	0,15	0,524	0,011	0,021	0,005	0,18	0,08	0,11	0,030	0,011	0,007	0,017	0,001	0,000	0,29				
	23M02455	40X40X3						326,2	451,3	1,38	32,0						0,18	0,22	0,468	0,008	0,018	0,005	0,07	0,01	0,03	0,028	0,011	0,007	0,016	0,001	0,000	0,27				
	23M02585	40X40X4						317,8	458,4	1,44	28,9						0,17	0,20	0,634	0,012	0,017	0,005	0,01	0,01	0,01	0,024	0,013	0,007	0,015	0,001	0,000	0,29				
	2300009	30X5						335,6	420,6	1,25	29,8						0,16	0,18	0,5117	0,012	0,028	0,000	0,17	0,08	0,04	0,013	0,0001	0,003	0,0028	0,001	0,007	0,27				

SURVEYOR TO		WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE	QUALITY CONTROL DEPARTMENT
 2344-CPR-0004/01	NOTES:	(1) VALUES ARE FOR KV150 TEST TEMPRATURE= 25 °C (2) BEND AND REBEND TESTS ARE FOR ONLY RIBBED REINFORCING STEELS (3) "L" MEANS "LOGITUDINAL" "T" MEANS "TRANSVERSE" (4) (NUMBER OF CYCLES X 1000000)	