

MESCIER DEMİR ÇELİK SANAYİ TİC. AŞ.		MILL TEST CERTIFICATE		DATE:	13.05.2023
		THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168		REF:	2312082
CUSTOMER:	TO WHOM IT MAY CONCERN	CERTIFICATE NO:	736-2023		

		COMMODITY: HOT ROLLED STEEL SQUARE BARS HOT ROLLED EQUAL ANGLES HOT ROLLED STEEL U CHANNELS			
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TEST PIECES NO	HEAT NUMBER:	PRODUCT NAME	SIZE IN MM	MECHANICAL PROPERTIES		CHEMICAL COMPOSITION										PRODUCT ANALYSIS									
				TENSION TEST		CHARPY TEST(1)		FATIGUE TEST		RE-BEND TEST		BEND TEST		TEST PIECES WIDTH (mm)		PRODUCT ANALYSIS									
				YIELD S _y (Rm)	ELONGATION	Rm / Re	%	TEST PIECES	WIDTH (mm)	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Al	W	Nb	N	(CEV)
1	2300406	EQUAL ANGLES	25,0 x 3,0	S235JR	315,4	438,5	1,39	32,7		0,10	0,19	0,133	0,008	0,031	0,001	0,24	0,09	0,05	0,034	0,0017	0,004	0,0001	0,000	0,007	0,23
2	23M03813	SQUARE BARS	10,0 x 10,0	S235JR	286,6	443,8	1,55	34,4		0,17	0,21	0,547	0,028	0,033	0,005	0,04	0,03	0,03	0,027	0,023	0,007	0,016	0,002	0,000	0,29
3	23M051053	SQUARE BARS	12,0 x 12,0	S235JR	323,3	445,5	1,38	29,6	10	0,16	0,17	0,591	0,010	0,014	0,005	0,16	0,11	0,10	0,026	0,012	0,007	0,014	0,002	0,000	0,30
4	2300359	U CHANNELS	80,0	S235JR	300,9	420,5	1,40	30,5	5	0,11	0,18	0,5212	0,010	0,023	0,000	0,23	0,07	0,05	0,019	0,0001	0,006	0,0001	0,000	0,009	0,23
5	23M01146	U CHANNELS	120,0	S235JR	315,4	446,7	1,42	32,0	5	0,18	0,19	0,552	0,011	0,017	0,005	0,01	0,01	0,01	0,025	0,013	0,007	0,014	0,002	0,000	0,30

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	MANUFACTURER
(1) VALUES ARE FOR KV150 TEST UNDER ROOM TEMPERATURE "L" MEANS "LONGITUDINAL" "T" MEANS "TRANSVERSE" (2) PRODUCTION, ROLLING TOLERANCE AND ANY OTHER DETAILS ARE AS PER ABOVE REFERENCED CONTRACT	SIRIM 27001:2013 Certification Number: PC000941 / PC000942

