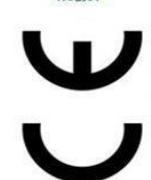


MESCIER DEMİR ÇELİK SANAYİ TİC. AŞ.		MILL TEST CERTIFICATE		DATE:	13.05.2023
		THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168		REF:	2312082
CUSTOMER:	TO WHOM IT MAY CONCERN	CERTIFICATE NO:	736-2023		

		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	%	N/mm ²	%	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	0,5133	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

 SIRIM K E T L E R C R U B U		<small>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</small>		MANUFACTURER
 ISO 9001:2015 Certification No: QMS-L9270-09-01/CÜ ISO 27001:2013 Certificate No: 190801059001 SIRIM (Certified to MS EN 10025-2:2011) Certification Number: PC000941 / PC000942		<small>(1) VALUES ARE FOR KV150 TEST UNDER ROOM TEMPERATURE (2) "L" MEANS "LONGITUDINAL" "T" MEANS "TRANSVERSE" (3) PRODUCTION, ROLLING TOLERANCE AND ANY OTHER DETAILS ARE AS PER ABOVE REFERENCED CONTRACT</small>		
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