



# 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
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CERTIFICATE NO:	736-2023
COMMODITY:	HOT ROLLED STEEL SQUARE BARS HOT ROLLED STEEL EQUAL ANGLES HOT ROLLED STEEL U CHANNELS

TEST PIECES NO	HEAT NUMBER:	PRODUCT NAME	SIZE IN MM	QUALITY	TENSION TEST		CHARBY TEST(1)		MECHANICAL PROPERTIES															
					YIELD S <sub>y</sub> (Re)	Rm / Re	ELONGATION	VALUE (JOULE)	FATIGUE TEST	RE-BEND TEST	BEND TEST	PRODUCT ANALYSIS												
					N/mm2	%	TEST PIECES WIDTH (mm)		C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Al	W	Nb	N	CARBON EQUIVALENT (CEV)
1	2300406	EQUAL ANGLES	25,0 x 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	0,16	0,17	0,581	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	UPEAA	S235JR	300,9	420,5	1,40	30,5	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	UPEAA	S235JR	315,4	446,7	1,42	32,0	0,18	0,19	0,652	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	CE NUMBER:2344-CPR-0004 acc. to audit report numbered 17270-09-01/GÜ ISO 9001:2015 Certificate No: OMS 19270-01 ISO 27001:2013 Certificate No: 190801059001 SIRIM (Certified to MS EN 10025-2:2011) Certification Number: PC000941 / PC000942	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 (2) "L" MEANS "LONGITUDINAL" "T" MEANS "TRANSVERSE" (3) PRODUCTION, ROLLING TOLERANCE AND ANY OTHER DETAILS ARE AS PER ABOVE REFERENCED CONTRACT		