



MILL'S TEST CERTIFICATE  
(ÜRÜN TEST SERTİFİKASI)  
THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168.  
(EN 10168 deki tanımlamaya uygun EN 10204 standardı madde 3.1 e göre muayene edilmiştir)

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CAG ÇELİK DEMİR VE ÇELİK END A.S. CAG ÇELİK PLAZA, ESENŞEHİR EMEK MAHESKİ NATO YOLU NO.286 SANCAKTEPE İSTANBUL, TURKEY  
REGISTRATION NO : 341798/289380

CUSTOMER :  
(Müşteri)

ORDER NO  
Sipariş No 2022-134 / EXP-6381

MANUFACTURER (Üretici) CAG ÇELİK DEMİR VE ÇELİK END A.S.

PRODUCT (Ürün) : PRIME QUALITY HOT ROLLED FLAT BARS, SQUARE BARS, ROUND BARS, AND EQUAL ANGLE BARS. STANDARD OF ASSESSMENT OF CONFORMITY ASTM STANDARD OF GRADE OF PRODUCT ASTM A36 DIMENSION CONTROL STANDARD ASTM A6

INSPECTION: SUPPLIER STEELMAKEING : BASIC OXYGEN FURNACE (BOF)  
CERTIFICATION: SUPPLIER

TEST RESULTS  
(TEST SONUÇLARI)

DESCRIPTION OF DELIVERY  
(Sipariş Özellikleri)

MECHANICAL PROPERTIES  
(Mekanik Özellikler)

CHEMICAL PROPERTIES ( KİMYASAL ANALİZ )

HEAT NO	SIZE (INCH)	LENGTH (FT)	QUALITY	CHARPY TEST at 20°C >27 JOUL	TENSILE STRENGTH H Mpa	YIELD STRENGTH Mpa	% ELONGATION (L-Lo) / Lo %	CHEMICAL PROPERTIES ( KİMYASAL ANALİZ )																	
								C %	Mn %	Si %	P %	S %	Ni %	Cr %	Mo %	% Cu	V %	Sn %	N ppm	Al %	Pb %	Co %	Ti %	Nb %	Ceq
222853	1/8 x 1/2"	20	ASTM A36	-	443	307	35	0.16	0.64	0.19	0.017	0.023	0.015	0.017	0.0019	0.035	0.0016	0.0029	67	0.0007	-	0.0010	0.0018	0.015	0.274
56370	1/8 x 3/4"	20	ASTM A36	-	432	303	32	0.18	0.69	0.19	0.018	0.021	0.013	0.016	0.0017	0.042	0.0019	0.0032	67	0.0007	-	0.0012	0.0023	0.014	0.303
211878	3/16 x 1/2"	20	ASTM A36	-	428	310	34	0.17	0.66	0.17	0.017	0.021	0.013	0.018	0.0019	0.040	0.0017	0.0033	66	0.0006	-	0.0010	0.0022	0.013	0.288
58170	3/16 x 3/4"	20	ASTM A36	-	430	297	32	0.17	0.66	0.17	0.016	0.024	0.015	0.017	0.0016	0.040	0.0018	0.0032	65	0.0013	-	0.0009	0.0024	0.013	0.288
222813	1/4 x 1/2"	20	ASTM A36	-	426	299	32	0.16	0.64	0.18	0.017	0.022	0.016	0.016	0.0016	0.035	0.0018	0.0032	64	0.0013	-	0.0010	0.0024	0.016	0.274
58176	1/4 x 3/4"	20	ASTM A36	-	429	298	31	0.18	0.65	0.19	0.016	0.022	0.013	0.017	0.0016	0.036	0.0017	0.0035	68	0.0012	-	0.0013	0.0017	0.014	0.296
56378	3/8 x 3/8"	20	ASTM A36	-	443	298	33	0.16	0.63	0.16	0.017	0.021	0.013	0.017	0.0017	0.041	0.0019	0.0030	69	0.0009	-	0.0006	0.0024	0.016	0.273
222812	1/4"	20	ASTM A36	-	443	307	32	0.16	0.64	0.20	0.017	0.021	0.014	0.018	0.0017	0.041	0.0018	0.0032	62	0.0008	-	0.0011	0.0020	0.014	0.275
58255	3/8"	20	ASTM A36	-	436	294	31	0.16	0.69	0.18	0.017	0.024	0.015	0.017	0.0019	0.039	0.0018	0.0033	69	0.0009	-	0.0006	0.0020	0.015	0.283
57743	3/4 x 3/4 x 1/8"	20	ASTM A36	-	431	300	35	0.18	0.66	0.18	0.017	0.024	0.016	0.016	0.0018	0.033	0.0016	0.0033	64	0.0008	-	0.0011	0.0021	0.015	0.297

CEQ = C + Mn / 6 + (Cr + Mo + V) / 6 + (Ni + Cu) / 16

CHEMICAL AND MECHANICAL VALUES AND CEQ AND USIN MATERIAL SUITABLE FOR CONSTRUCTION BEAMS

CE MARKING  
(CE MARKALAMA)



WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR BY THE ABOVE ORDER

CHEMICAL AND MECHANICAL TEST BY

Quality Metallurgy and Laboratory Technician

