



MILL'S TEST CERTIFICATION
(ÜRÜN TEST SERTİFİKASI)

THE INSPECTION CERTIFICATE AS PER EN 10160-CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10160
(EN 10160 esaslı denetim raporu EN 10160 standardının madde 3.1'e göre muayene edilmiştir)

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CAG ÇELİK DEMİR VE ÇELİK END. A.Ş. CAG ÇELİK PLAZA ESENSEHİR EMEK MAP ESKİ NATO YOLU NO 286
SANCAKTEPE, İSTANBUL, TÜRKİYE

CUSTOMER (Müşteri)
TATA INTERNATIONAL METALS (AMERICAS) LIMITED
475 N. MARTINGALE ROAD, SUITE 450 SCHAUMBURG, IL 60173
UNITED STATES OF AMERICA

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

PRODUCT (Ürün) PRIME HOT ROLLED "MERCHAN" BARS	STANDARD OF GRADE OF PRODUCT ASTM A 36/A6	DIMENSION CONTROL STANDARD ASTM A6
INSPECTION SUPPLIER CERTIFICATION SUPPLIER	STANDARD OF ASSESSMENT OF CONFORMITY ASTM	ORDER NO (Sipariş No) 2023-110-H-1

HEAT NO	SIZE (inç)	LENGTH (feet)	QUALITY	CHАРPY TEST 3x20 C >27 JOUL	MECHANICAL PROPERTIES (Mekanik Özellikler)			CHEMICAL PROPERTIES (KİMYASAL ANALİZ)																	
					TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	% ELONGATION (L ₀ -L ₀)/L ₀ %	C %	Mn %	S %	P %	Si %	Cr %	Ni %	Mo %	Cu %	V %	Sn %	N ppm	Al %	Pb %	Co %	Ti %	Nb %	Ceq
PURCHASE ORDER NUMBER: PUR3002091 / LOT 1 : B0020823T																									
60719	3/4 x 3/4 x 1/8	20	ASTM A 36/A6	435	312	32	0.18	0.69	0.19	0.016	0.021	0.013	0.018	0.0018	0.040	0.0018	0.0030	63	0.0007	0.0007	0.0017	0.014	0.014	0.303	
2331014	3/8" x 3/8"	20	ASTM A 36/A6	439	309	31	0.16	0.65	0.20	0.019	0.023	0.014	0.016	0.0019	0.037	0.0018	0.0033	61	0.0011	0.0007	0.0017	0.015	0.015	0.276	
2311148	5/16"	20	ASTM A 36/A6	432	309	34	0.17	0.68	0.20	0.016	0.023	0.013	0.019	0.0016	0.038	0.0018	0.0031	68	0.0011	0.0008	0.0019	0.014	0.014	0.291	
2331018	1/8 x 3/4	20	ASTM A 36/A6	434	312	32	0.18	0.66	0.20	0.018	0.023	0.014	0.017	0.0017	0.038	0.0019	0.0031	67	0.0010	0.0013	0.0017	0.014	0.014	0.298	
2321170	1/4 x 1/2	20	ASTM A 36/A6	434	309	32	0.16	0.65	0.19	0.018	0.021	0.016	0.019	0.0018	0.035	0.0017	0.0031	66	0.0006	0.0011	0.0019	0.016	0.016	0.276	
105009	3/8 x 3/4	20	ASTM A 36/A6	430	293	35	0.16	0.68	0.16	0.018	0.023	0.013	0.016	0.0018	0.042	0.0016	0.0030	68	0.0008	0.0007	0.0017	0.017	0.017	0.281	
2331332	1/2 x 3/4	20	ASTM A 36/A6	432	299	31	0.18	0.65	0.20	0.018	0.024	0.016	0.016	0.0017	0.038	0.0016	0.0029	63	0.0006	0.0011	0.0022	0.016	0.016	0.296	

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 **COUNTRY OF MELT & POUR: TURKEY**

CHEMICAL AND MECHANICAL TEST BY
 Quality Metallurgy and Laboratory Technician

