Superior Supply & Steel Beaumont
Customer PO: 226702-06
Heat: 690294
Shipment: 0021026277

ISIK ÇELİK

MILL TEST CERTIFICATE

THE INSPECTION CERTIFICATE ACCORDING TO EN10204/3.1 COMPLIANCE TO THE DEFINITION IN EN 10204

CERTIFICATE NO :	234.788
ORDER NO :	203562-2
INVOICE NO :	IHD2021000000047
NAME OF VESSEL :	LAUST MAERSK
VOYAGE NUMBER :	104W

03.02.2021
PAGE : 1 OF 1

FULL NAME AND ADDRESS OF THE MANUFACTURER :	ISIK ÇELIK SANAYİ VE TİCARET A.Ş. HURRİYET MAH. ZONGULDAK CAD. NO: 78 78100 KARABÜK TURKEY
NAME AND ADDRESS OF THE EXPORTER:	ISIK ÇELIK SANAYİ VE TİCARET A.Ş. HURRİYET MAH. ZONGULDAK CAD. NO: 78 78100 KARABÜK TURKEY
CUSTOMER :	THYSSENKRUPP MATERIALS TRADING NORTH AMERICA 22355 W. ELEVEN MILE RD. SOUTHFIELD, TN 48033 USA TAX ID: 38-0445860 E-MAIL: TRADINGOPS@THYSSENKRUPP.COM

DESCRIPTION OF GOODS :	PRIME, NEWLY PRODUCED, HOT ROLLED STEEL EQUAL ANGLES, FLAT BARS THYSSENKRUPP MATERIALS TRADING NORTH AMERICA PO:504601-# TOTAL THEORITICAL WEIGHT : 54,01 METRIC TONS TOTAL NUMBER OF BUNDLES: 27 BUNDLES DELIVERY TERMS: CFR CY HOUSTON , TX, U.S.A @Incoterms 2010
QUALITE :	ASTM A36/A6
PRODUCTION STANDARD :	A6

TEST PIECES NO	HEAT NO	MATERIAL	SIZE(INCHES) / SIZES IN INCHES	LENGTH(FT.)	NUMBER OF PIECES PER BUNDLE (PIECES/BUNDLE)	TOTAL PIECES FOR EACH SIZES	NUMBER OF BUNDLES PER SIZE AND IN TOTAL	WEIGHTS IN METRIC TONS PER SIZE AND IN TOTAL	WORK ORDER	ORIENTATION(6)	YIELD S (4s) psi	TENSILE S (4m) psi	Rm / 4e	ELONGATION %	CHARPY TEST(1) TEST PIECES	CHARPY TEST(1) VALUE (JOULE)	BEND TEST(2)	REBEND TEST(3)	FATIGUE TEST (4)	C %	Si %	Mn %	P %	S %	Cu %	Ni %	Cr %	Mo %	V %	Al %	N %	Fe %	CARBON EQUIVALENT (CEV)
1	690252	EQUAL ANGLES	1"x1"x1/4"	20	148,800	348	1	2,01	-	L	43877,05	68602,97	1,49	29						0,191	0,152	0,648	0,019	0,021	0,053	0,038	0,031	0,004	0,035	0,002	0,0061	98,616	0,313
2	690274	FLAT BARS	1/2"x1/8"	20	1084,000	1834	3	2,00	-	L	45306,82	67007,56	1,49	28						0,193	0,158	0,631	0,019	0,021	0,052	0,054	0,039	0,005	0,035	0,002	0,0053	98,639	0,313
3	690281	FLAT BARS	3/4"x1/8"	20	690,000	690	1	2,07	-	L	45832,85	68457,94	1,49	27						0,181	0,152	0,641	0,030	0,026	0,058	0,032	0,054	0,005	0,035	0,002	0,0055	98,634	0,313
4	690292	FLAT BARS	1"x1/8"	20	518,000	2590	5	9,91	-	L	46172,08	68457,94	1,48	27						0,192	0,158	0,642	0,032	0,030	0,051	0,032	0,038	0,005	0,035	0,004	0,0048	98,791	0,317
5	690294	FLAT BARS	1"x1/16"	20	346,000	692	2	4,00	-	L	45686,97	68022,82	1,49	28						0,195	0,153	0,652	0,031	0,029	0,057	0,039	0,035	0,006	0,035	0,003	0,0053	98,600	0,319
6	690313	FLAT BARS	1.1/2"x1/8"	20	346,000	1730	5	10,02	-	L	45877,05	68022,82	1,48	29						0,196	0,159	0,649	0,026	0,028	0,044	0,036	0,035	0,005	0,035	0,008	0,0047	98,630	0,319
7	690323	FLAT BARS	2"x1/8"	20	260,000	1300	5	10,09	-	L	45877,05	68457,94	1,49	27						0,190	0,151	0,649	0,034	0,026	0,057	0,031	0,038	0,005	0,034	0,002	0,0049	98,798	0,316
8	690307	FLAT BARS	1.1/4"x3/16"	20	276,000	828	3	5,99	-	L	44767,12	68022,97	1,46	28						0,193	0,152	0,648	0,030	0,034	0,056	0,036	0,035	0,005	0,039	0,003	0,0057	98,805	0,316
9	690315	FLAT BARS	1.1/2"x3/16"	20	230,000	460	2	3,99	-	L	45251,95	67877,76	1,50	29						0,188	0,154	0,647	0,034	0,028	0,058	0,038	0,038	0,004	0,035	0,003	0,0060	98,753	0,312
10	690325	FLAT BARS	2"x3/16"	20	172,000	344	2	5,94	-	L	45541,33	67877,76	1,49	28						0,194	0,152	0,657	0,028	0,026	0,048	0,030	0,036	0,005	0,034	0,003	0,0049	98,[illegible]	0,317
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1. WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND TEST RESULTS ARE IN COMPLIANCE WITH THE TERMS OF THE PURCHASE ORDER OR CONTRACT
2. THE CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THE COMPANY
3. MATERIAL FREE FROM MERCURY AND RADIATION CONTAMINATION

NOTES:
(1) CHARPY TEST FOR EN 350, "ITT" TRANSVERSE TEST
(2) "T" MEANS "TRANSVERSAL", "L" MEANS "LONGITUDINAL"
(3) BEND & RE-BEND TESTS ARE ONLY MADE IN REINFORCING STEEL BARS
(4) NUMBER OF CYCLES = 1.000.000

ALL PRODUCTS HAVE BEEN INSPECTED BY "VITSAN INSPECTION COMPANY - ELEOTOS AGENCY

THE BILLETS USED IN THE PRODUCTION OF THE ABOVE MATERIALS WAS MELTED AND POURED IN TURKEY FROM THE EARTHLAND IRON AND STEEL INDUSTRY TRADE A. CO. INC.

ISIK ÇELİK SANAYİ VE TİCARET A.Ş.