

EREĞLİ DEMİR ve ÇELİK FABRİKALARI T.A.Ş.
 OUTSTANDING CAPITAL : 3.500.000.000 TL
 PRODUCTION PLANT : ISDEMİR

TEST CERTIFICATE
 EN 10204 : 2004 TYPE 3.1

DATE : 23/10/2017
 CERTIFICATE NO : 71643161
 PAGE NO : 1

CUSTOMER : MARINHO STEEL TRADING
 ORDER NO : 78603359709
 DIMENSIONS, mm : 8.000 X 2000 X C
 STANDARD & GRADE : EN 10025-2-2004 S355J2C+N (ERDEMİR 6052)
 PRODUCT TYPE & DEFINITION : RKK:HOT ROLLED COIL WITH MILL EDGE



PRODUCT INFORMATIONS				MECHANICAL PROPERTIES										CHEMICAL COMPOSITION, CAST ANALYSIS														
TICKET NO	WEIGHT (MT)	HEAT NO	COIL or PLATE NO	P.S or P.P	TENSILE TEST			Ag or BH VAL.	Y/T or n VAL.	IMPACT TEST, joule				HIGH TEMP 'C	C %	MN %	P %	S %	SI %	AL %	CU %	CR %	NI %	MO %	CEQ %			
					SAM POS	YIELD N/MM2	TENSILE N/MM2	% EL A5	BEND TEST			1	2	3	AVR	TEMP 'C	YIELD N/MM2	V %	NB %	TI %	N PPM							
0357879208	19,560	17222756	1175977060000		TT	456.0	572.7	30	GOOD			93	114	110	106	-20		0.166	1.408	0.012	0.004	0.233	0.052	0.044	0.024	0.040	0.003	0.412
0357879391	19,780	17222756	1175977080000		TT	456.0	572.7	30	GOOD			93	114	110	106	-20		0.166	1.408	0.012	0.004	0.233	0.052	0.044	0.024	0.040	0.003	0.412
0357879521	19,760	17222756	1175977090000		TT	456.0	572.7	30	GOOD			93	114	110	106	-20		0.166	1.408	0.012	0.004	0.233	0.052	0.044	0.024	0.040	0.003	0.412
0357879935	19,270	17222756	2175977070000		TT	452.1	567.8	26	GOOD			139	119	99	119	-20		0.166	1.408	0.012	0.004	0.233	0.052	0.044	0.024	0.040	0.003	0.412
0357879558	19,470	17222756	2175977100000		TT	452.1	567.8	26	GOOD			139	119	99	119	-20		0.166	1.408	0.012	0.004	0.233	0.052	0.044	0.024	0.040	0.003	0.412

ONIRAM, LDA
 DEP. QUALIDADE
 RECEPÇÃO

DATA
 2018.06.04

RECEPÇÃO
 [Signature]

WE (THE MANUFACTURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF EN 10025-2-2004 S355J2C+N (ERDEMİR 6052) WITH SATISFACTORY RESULTS.



FAF - Produtos Siderúrgicos, S.A.
 Departamento de Qualidade



NOTE: T:Top, M:Middle, E:End, T:Transverse, L:Longitudinal, P.S:Piece of Slice, P.P:Piece of Plate
 MERSIS Number(Istanbul Head Office): 0352-0006-4260-0020; Trade Registry Number(Istanbul Department): 90659; Trade Registry Number(Ereğli Department):1574/272
 Head Office: Istanbul: Barbaros Mah. Ardiç Sok. No: 6 34746 Ataşehir İSTANBUL - TURKEY

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