

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

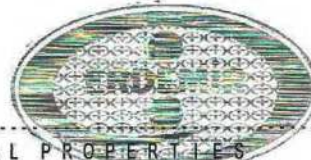
TEST CERTIFICATE  
EN 10204 : 2004 TYPE 2.2

DATE : 15/07/2020  
CERTIFICATE NO : 00936071  
PAGE NO : 1



CUSTOMER : EGYPTIAN COMPANY FOR STEEL STRUCTURE AND CONT  
ORDER NO : 08603821006  
DIMENSIONS, mm : 10.000 X 2000 X C  
STANDARD & GRADE : EN 10025-2-2004 S355JR (ERDEMİR 4250)  
PRODUCT TYPE & DEFINITION : RKK-HOT ROLLED COIL WITH MILL EDGE

LOT NO: 2 ACC TO DIN EN 10051 2011  
4199 ACC TO DIN EN 10163 2 (CLASS B, CLASS 3)



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			BEND TEST	Ag or BH VAL.	r VAL.	Y/T or n VAL.	HARDNESS	IMPACT TEST, joule POSITION :				HIGH TEMP 'C	C %	MN %	P %	S %	SI %	AL %	CU %	CR %	NI %	MO %	CEQ %				
					SAM POS	YIELD STRENGTH N/MM2	TENSILE N/MM2	% EL A5					1	2	3	AVR TEM 'C	YIELD N/MM2	V %	NB %	TI %	N PPM											
0350713670	19,340	20112704	1205635181000		TT	390.3	531.5	27										0.162	1.450	0.009	0.005	0.015	0.034	0.048	0.035	0.045	0.002	0.419				
0350713671	18,560	20112704	1205635182000		TT	390.3	531.5	27										0.004	0.018	0.016	62	0.162	1.450	0.009	0.005	0.015	0.034	0.048	0.035	0.045	0.002	0.419
0350713607	19,250	20112704	2205635151000		TT	390.3	531.5	27										0.004	0.018	0.016	62	0.162	1.450	0.009	0.005	0.015	0.034	0.048	0.035	0.045	0.002	0.419
0350713608	18,550	20112704	2205635152000		TT	390.3	531.5	27										0.004	0.018	0.016	62	0.162	1.450	0.009	0.005	0.015	0.034	0.048	0.035	0.045	0.002	0.419
0350713617	19,320	20112704	2205635171000		TT	390.3	531.5	27										0.004	0.018	0.016	62	0.162	1.450	0.009	0.005	0.015	0.034	0.048	0.035	0.045	0.002	0.419
0350713618	18,530	20112704	2205635172000		TT	390.3	531.5	27										0.004	0.018	0.016	62	0.162	1.450	0.009	0.005	0.015	0.034	0.048	0.035	0.045	0.002	0.419
0350713609	19,240	20224448	1205635161000		TT	390.3	531.5	27										0.004	0.018	0.016	62	0.163	1.405	0.014	0.008	0.010	0.057	0.039	0.037	0.044	0.002	0.412
0350713610	18,530	20224448	1205635162000		TT	390.3	531.5	27										0.004	0.019	0.022	49	0.163	1.405	0.014	0.008	0.010	0.057	0.039	0.037	0.044	0.002	0.412
0350713663	19,230	20335059	2205635191000		TT	390.3	531.5	27										0.005	0.020	0.018	53	0.167	1.441	0.010	0.010	0.014	0.044	0.042	0.028	0.046	0.003	0.420
0350713664	18,520	20335059	2205635192000		TT	390.3	531.5	27										0.005	0.020	0.018	53	0.167	1.441	0.010	0.010	0.014	0.044	0.042	0.028	0.046	0.003	0.420

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 S355JR (ERDEMİR 4250) WITH SATISFACTORY RESULTS.



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

www.erdemir.com.tr

## Продавец(Экспортер)

## Seller(Exporter)

ОАО ММК 455002 МАГНИТОГОРСКИЙ КИРОВА 93  
MAGNITOGORSK IRON AND STEEL WORKS  
93, ST. KIROV, MAGNITOGORSK 455002 RUSSIAN FEDERATION

## Грузополучатель, адрес, страна

## Consignee, address, country

Египет Egypt  
ОАО НОВОРОССИЙСКИЙ СУДОРЕМОНТНЫЙ ЗАВОД КОД 3812 П/И 353902, КРАСНОДАРСКИЙ КРАЙ, НОВОРОССИЙСК, СУХУМСКОЕ ШОССЕ  
ДЛЯ ФИРМЫ 'ММК ТРЕЙДИНГ АГ' (MMK TRADING AG)

Товаросопроводительный документ 120-10940

№ Shipping document №

(Сертификат качества

Quality certificate )

Контракт № E180256 сп417

Contract № E180256 sp417

Вагон № Freight car № 68149129

Наименование товара Description of goods									НД Standards		Форма раск Geometry		Вид и код груза Type of pack,code		№ мест Package №		
РУЛОНЫ Г/К НЕДРЕССИРОВАННЫЕ HOT ROLLED NON-SKIN PASSED COILS									СТО ММК 344-2006				РУЛОНЫ 425 COILS		1-4		
№ п/п Item №	№ поз Pos No	Код товара Code of goods	Номер плавко-партии Nos of heats-lotts	Номера рул Nos of coils	Марка стали и категория Steel grade and category	Группа прочн Strength group	Кл точн тол/шир Accuracy	Вид повер Surface appear	Групп наз Appl group	Групп повер Surface group	Хар кром Edge char	Сорт Grade	Ток прок t end rolling	Ток смот ки t win ding	Размеры мм Dimensions mm тол*шир*длина thick*width*length	Масса т Mass t	
																нетто netto	брутто gross
1	5	97122	1033811	0509	St 52-3(M)							1			14.000 × 1662	15.360	15.370
2	-	-	1263116	0103	-							1			-	14.830	14.840
3	-	-	-	0203	-							1			-	15.400	15.410
4	-	-	-	0303	-							1			-	15.090	15.100

60.680 60.720

## Показатели качества товара

## Quality characteristics of goods

Номера партий Nos of lots	Химический состав (%) Chemical composition (%)										Предел прочн (Н/мм2) Ultimate strength (N/mm2)	Предел текуч (Н/мм2) Yield point (N/mm2)	Относ удли 5 (%) Elongation	Изгиб Bend test	Работа удара KV t 0 (Дж) Impact energy
	C	Si	Mn	S	P	Cr	Ni	Cu	N	Al					
	x 100	x 100	x 100	x 1000	x 1000	x 100	x 100	x 100	x 1000	x 1000					
1033811	17	19	107	5	12	3	3	5	4	37	500	375	35.0	уд sat_u	113
1263116	16	17	113	11	13	3	3	4	4	38	495	370	33.0	уд sat_u	113
1263116	16	17	113	11	13	3	3	4	4	38	495	370	33.0	уд sat_u	113
1263116	16	17	113	11	13	3	3	4	4	38	495	370	33.0	уд sat_u	113

Приме- код ТНВЭД=7208.  
чение

Note



Дата Date: 18.02.19 19:36

Подпись представителя ОКП Signature of the QCD representative: Меньшикова А.А. Болонина М.В.

Указанный в настоящем документе товар соответствует по качеству действующим в РФ стандартам техническим условиям и может быть отгружен на экспорт.  
It is hereby certified that the quality of goods mentioned in this Document is in conformity with the RUS Standards and Specifications, and the goods may be exported.



## MILL INSPECTION CERTIFICATE EN 10.204:2004, Type 3.1.

Standard: EN 10025-1,2/2004

Type: S 275 JR +AR

St. Mea.: EN 10365/2017

St. Tol.: EN 10034/93

Our Ref: 03232612

(B23-31BAL2)

Customer: EL MASRYA FOR STEEL STRUCTURES

4 EIED NAFEE FAISAL ST,

8655 SADAT CITY AL MONFYA, GIZA, EGYPT

Egypt

Destination: EL MASRYA FOR STEEL STRUCTURES

4 EIED NAFEE FAISAL ST,

8655 SADAT CITY AL MONFYA, GIZA, EGYPT

Egypt

Document n°: 201786499

Order number : 10654442

Your order : 911652EG

Material (L=Lenght)	Heat Number	CHEMICAL ANALYSIS															MECHANICAL PROPERTIES		
		C	Mn	Si	S	P	Cr	Ni	Cu	Mo	V	W	AL	N	Ti	CEV	Yield Str.	Ten- sile Str.	Elong. L0=
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	MPA	MPA	5,65VSo %
S 275 JR +AR IPE450 L.12.1 M	CE227641	0.080	0.640	0.140	0.022	0.020	0.200	0.110	0.380	0.019	0.002	0.006	0.002	0.0104	0.001	0.264	306	447	34.2
S275JR +AR IPE100 L.12.1m	CE227642	0.070	0.650	0.160	0.028	0.017	0.180	0.110	0.360	0.019	0.002	0.006	0.002	0.0104	0.001	0.250	300	421	35.3
S275JR +AR IPE120 L.12.1m	CE227643	0.080	0.640	0.160	0.027	0.016	0.160	0.120	0.370	0.020	0.002	0.006	0.002	0.0099	0.001	0.256	308	429	35.5
S 275 JR +AR IPE450 L.12.1 M	CE227643	0.080	0.640	0.160	0.027	0.016	0.160	0.120	0.370	0.020	0.002	0.006	0.002	0.0099	0.001	0.256	306	442	34.5
S275JR +AR IPE200 L.12.1m	CE227644	0.080	0.660	0.160	0.027	0.016	0.160	0.120	0.370	0.020	0.002	0.004	0.002	0.0099	0.001	0.259	315	442	34.2
S 275 JR +AR IPE450 L.12.1 M	CE227644	0.080	0.660	0.160	0.027	0.016	0.160	0.120	0.370	0.020	0.002	0.004	0.002	0.0099	0.001	0.259	305	443	34.5
S275JR +AR IPE200 L.12.1m	CE227645	0.060	0.670	0.150	0.030	0.018	0.170	0.110	0.380	0.020	0.002	0.006	0.001	0.0102	0.001	0.243	317	445	34.0
S275JR +AR IPE180 L.12.1m	CE227646	0.060	0.650	0.150	0.018	0.020	0.180	0.110	0.390	0.020	0.002	0.006	0.002	0.0096	0.001	0.242	310	437	34.5
S275JR +AR IPE180 L.12.1m	CE227649	0.070	0.640	0.170	0.028	0.014	0.130	0.120	0.370	0.022	0.002	0.004	0.003	0.0094	0.001	0.240	308	429	35.8
S275JR +AR IPE200 L.12.1m	CE227650	0.070	0.640	0.160	0.024	0.016	0.150	0.120	0.380	0.021	0.002	0.007	0.002	0.0084	0.001	0.245	302	443	35.4
S275JR +AR IPE270 L.12.1m	CE227651	0.070	0.650	0.170	0.025	0.016	0.140	0.120	0.390	0.021	0.002	0.007	0.002	0.0086	0.001	0.245	314	444	34.8
S275JR +AR IPE270 L.12.1m	CE227653	0.070	0.660	0.170	0.025	0.016	0.150	0.120	0.400	0.020	0.002	0.005	0.002	0.0102	0.001	0.249	305	443	34.7

-Product suitable for galvanizing:  $0.14 \leq Si \leq 0.25$  &  $P \leq 0.035$ .

-Intended use: construction and civil engineering.

-Durability: not determined.

-Regulated substances: not determined



Castellbisbal, 28.02.2020  
 Juan Diego Martínez Gálvez  
 Quality Control Manager

Hot rolled products of structural steels.  
 Steel making: Electric arc melting and rolled process.  
 We hereby certify that the delivered material complies with the terms of the order.