ÇAYIROVA boru

MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-5 243660
CERTIFICATE NO	:	0000008186
DATE	:	22.04.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
24110039	76.1X3.20	6.0	EN10217-1	P235TR1	BPE	222	6/37	1332	7197	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
24100553	76.1X3.20	6.0	EN10217-1	P235TR1	BPE	111	3/37	666	3483	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
24100404	57.0X3.50	6.0	EN10217-1	P235TR1	BPE	111	3/37	666	2970	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
RA00126	57.0X3.80	6.0	EN10217-1	P235TR1	BPE	148	4/37	888	4440	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
									18090																								

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES									CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %														Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																													
24110039	70	5	P	RT	L	****	****	****	387	309	41															0,061	0,008	0,550	0,014	0,008	0,001	0,081	0,042	0,035	0,004	0,002	0,001	0,007	0,045	****	0,17	0,35
24100553	70	5	P	RT	L	****	****	****	426	373	27															0,054	0,018	0,203	0,019	0,016	0,001	0,298	0,134	0,100	0,021	0,003	0,001	0,010	0,020	****	0,14	0,35
24100404	70	5	P	RT	L	****	****	****	462	386	26															0,080	0,004	0,197	0,016	0,018	0,001	0,298	0,115	0,096	0,021	0,004	0,001	0,009	0,030	****	0,16	0,35
RA00126	70	5	P	RT	L	****	****	****	414	372	28															0,057	0,005	0,208	0,012	0,004	0,001	0,163	0,077	0,050	0,015	0,003	0,001	0,010	0,024	****	0,12	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

Digitally signed by Simov Igor
Date: 2025.01.16 16:56:26 EET
Reason: MoldSign Signature
Location: Moldova
MOLDOVA EUROPEANĂ

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-1 2004673
CERTIFICATE NO	:	0000007715
DATE	:	02.08.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
PI16837	21.3X2.80	6.0	EN10217-1	P235TR1	GPE	169	1/169	1014	1340	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****	****

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																								Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																										
PI16837	70	5	C	RT	L	****	****	****	407	325	34															0,100	0,016	0,620	0,010	0,011	0,001	0,075	0,023	0,015	0,006	0,001	0,001	0,006	0,038	****	0,21	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
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Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-25 2421330
CERTIFICATE NO	:	0000009040
DATE	:	14.01.2025
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
RM39459	26.9X2.50	6.0	EN10217-1	P235TR1	GPE	338	2/169	2028	3145	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
RS18355	26.9X2.50	6.0	EN10217-1	P235TR1	GPE	169	1/169	1014	1555	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
RI01797	33.7X2.80	6.0	EN10217-1	P235TR1	GPE	91	1/91	546	1086	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
RI01797	33.7X2.80	6.0	EN10217-1	P235TR1	GPE	90	1/90	540	1074	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
									6860																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
RM39459	70	5	C	RT	L	****	****	****	458	437	30															0,106	0,015	0,437	0,014	0,005	0,001	0,008	0,041	0,059	0,006	0,002	0,001	0,007	0,061	****	0,20	0,35
RS18355	70	5	C	RT	L	****	****	****	389	304	38															0,071	0,004	0,498	0,017	0,016	0,001	0,030	0,015	0,015	0,004	0,002	0,001	0,003	0,039	****	0,16	0,35
RI01797	70	5	C	RT	L	****	****	****	419	388	34															0,084	0,007	0,520	0,017	0,013	0,001	0,048	0,021	0,015	0,009	0,002	0,001	0,006	0,040	****	0,18	0,35
RI01797	70	5	C	RT	L	****	****	****	419	388	34															0,084	0,007	0,520	0,017	0,013	0,001	0,048	0,021	0,015	0,009	0,002	0,001	0,006	0,040	****	0,18	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-25 2421330
CERTIFICATE NO	:	0000009040
DATE	:	14.01.2025
PAGE	:	2
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
24227287	42.4X3.20	6.0	EN10217-1	P235TR1	BPE	280	4/70	1680	4780	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																								Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																										
24227287	70	5	P	RT	L	****	****	****	398	327	39															0,064	0,012	0,550	0,009	0,006	0,001	0,044	0,028	0,023	0,004	0,002	0,001	0,007	0,037	****	0,17	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	237790
CERTIFICATE NO	:	0000007618
DATE	:	17.08.2023
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10255M S195T /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
23103414	33.7X3.20	6.0	EN10255M	S195T	GPE	182	2/91	1092	2550	****	OK	OK	OK	****	****	****	****	****	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES									CHEMICAL COMPOSITION																								Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %														Product Analysis %														
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																											
23103414	50	5	C	**	L	****	****	****	441	400	30															0,077	0,040	0,315	0,015	0,003									****	0,15	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) , Q (transverse) / Shape = C (cylindric) , P (prismatic) / Location = 90 against weld seam / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

CE 1015

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.
The Construction Products Regulation (CPR) (EU) No 305/2011 By SZUTEST

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

Digitally signed by Simov Igor
Date: 2024.01.26 17:03:35 EET
Reason: MoldSign Signature
Location: Moldova

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-8 247170
CERTIFICATE NO	:	0000008327
DATE	:	23.08.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
24221187	26.9X2.50	6.0	EN10217-1	P235TR1	GPE	169	1/169	1014	1579	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****	****
RI20694	26.9X2.50	6.0	EN10217-1	P235TR1	GPE	338	2/169	2028	3041	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****	****

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
24221187	70	5	C	RT	L	****	****	****	426	374	27															0,077	0,012	0,590	0,013	0,009	0,001	0,090	0,051	0,041	0,009	0,002	0,001	0,005	0,046	****	0,20	0,35
RI20694	70	5	C	RT	L	****	****	****	414	333	34															0,071	0,002	0,550	0,016	0,013	0,001	0,076	0,024	0,019	0,006	0,002	0,001	0,003	0,033	****	0,17	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	2312220
CERTIFICATE NO	:	0000007649
DATE	:	17.08.2023
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
23111715	48.3X3.00	6.0	EN10217-1	P235TR1	GPE	122	2/61	732	2486	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
PR13409	48.3X3.00	6.0	EN10217-1	P235TR1	GPE	122	2/61	732	2504	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
									4990																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES									CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
23111715	70	5	P	RT	L	****	****	****	384	305	34															0,059	0,011	0,580	0,012	0,019	0,001	0,099	0,055	0,045	0,007	0,002	0,001	0,006	0,066	****	0,18	0,35
PR13409	70	5	P	RT	L	****	****	****	429	347	34															0,116	0,019	0,446	0,012	0,008	0,001	0,012	0,011	0,020	0,004	0,002	0,001	0,007	0,066	****	0,20	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

Digitally signed by Simov Igor
Date: 2024.01.26 17:03:22 EET
Reason: MoldSign Signature
Location: Moldova

ÇAYIROVA boru

MERKEZ: Rihtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-4 242490
CERTIFICATE NO	:	0000008145
DATE	:	17.04.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
RM30780	48.3X3.00	6.0	EN10217-1	P235TR1	BPE	183	3/61	1098	3500	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
RK11389	165.1X4.00	6.0	EN10217-1	P235TR1	BPE	60	6/10	360	4860	****	OK	OK	****	OK	****	ET	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
									8360																								

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES									CHEMICAL COMPOSITION																						Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %												Product Analysis %												
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																											
RM30780	70	5	P	RT	L	****	****	****	451	381	35													0,110	0,012	0,423	0,013	0,004	0,001	0,019	0,016	0,025	0,003	0,002	0,001	0,007	0,036	****	0,19	0,35
RK11389	70	5	P	RT	L	****	****	****	410	280	34													0,145	0,009	0,820	0,014	0,009	0,001	0,052	0,021	0,022	0,005	0,002	0,002	0,005	0,038	****	0,29	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru

MERKEZ: Rihtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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Tel :(0262) 653 61 30 (5 Hat)
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MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-5 243660
CERTIFICATE NO	:	0000008186
DATE	:	17.04.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
23603639	48.3X3.50	6.0	EN10217-1	P235TR1	BPE	183	3/61	1098	3540	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES									CHEMICAL COMPOSITION																					Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %											
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																											
23603639	70	5	P	RT	L	****	****	****	475	416	30															0,065	0,020	0,480	0,011	0,012	0,001	0,024	0,019	0,033	0,001	0,002	0,001	0,005	0,039	****	0,16	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

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NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rihtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
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Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	230390
CERTIFICATE NO	:	0000007214
DATE	:	27.02.2023
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift Expanding Test	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH							
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
22306627	48.3X3.00	6.0	EN10217-1	P235TR1	BPE	244	4/61	1464	4960	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****
22117312	57.0X3.50	6.0	EN10217-1	P235TR1	BPE	459	9/51	2754	12716	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****
22117312	57.0X3.50	6.0	EN10217-1	P235TR1	BPE	11	1/11	66	304	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****
22225759	76.1X3.50	6.0	EN10217-1	P235TR1	BPE	111	3/37	666	3970	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****
									21950																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																								Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																										
22306627	70	5	P	RT	L	****	****	****	452	387	32															0,058	0,015	0,210	0,018	0,018	0,001	0,298	0,134	0,142	0,030	0,003	0,001	0,009	0,035	****	0,16	0,35
22117312	70	5	P	RT	L	****	****	****	386	345	30															0,054	0,026	0,178	0,015	0,015	0,001	0,086	0,054	0,043	0,010	0,003	0,001	0,007	0,045	****	0,10	0,35
22117312	70	5	P	RT	L	****	****	****	386	345	30															0,054	0,026	0,178	0,015	0,015	0,001	0,086	0,054	0,043	0,010	0,003	0,001	0,007	0,045	****	0,10	0,35
22225759	70	5	P	RT	L	****	****	****	384	297	36															0,067	0,013	0,479	0,011	0,013	0,001	0,024	0,019	0,033	0,005	0,001	0,001	0,007	0,047	****	0,16	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Ayşe Çakır
Laboratory Technician

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER : FPC SANTARM SRL
ORDER : STM-1 2004673
CERTIFICATE NO : 0000007715
DATE : 23.09.2023
PAGE : 1
COMMODITY : ERW STEEL TUBES
SPECIFICATION : EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
23601914	76.1X3.50	6.0	EN10217-1	P235TR1	BPE	185	5/37	1110	6659	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
23601668	76.1X3.50	6.0	EN10217-1	P235TR1	BPE	37	1/37	222	1331	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****	****
									7990																								

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
23601914	70	5	P	RT	L	****	****	****	374	269	37															0,077	0,004	0,425	0,009	0,009	0,001	0,021	0,009	0,016	0,003	0,001	0,001	0,007	0,046	****	0,15	0,35
23601668	70	5	P	RT	L	****	****	****	379	307	29															0,074	0,012	0,442	0,012	0,011	0,001	0,007	0,007	0,017	0,004	0,002	0,001	0,006	0,049	****	0,15	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

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NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER : FPC SANTARM SRL
ORDER : STM-1 2004673
CERTIFICATE NO : 0000007715
DATE : 23.09.2023
PAGE : 2
COMMODITY : ERW STEEL TUBES
SPECIFICATION : EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
PA06383	76.1X3.00	6.0	EN10217-1	P235TR1	GPE	370	10/37	2220	11234	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
23602183	76.1X3.00	6.0	EN10217-1	P235TR1	GPE	111	3/37	666	3376	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
									14610																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %												Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
PA06383	70	5	P	RT	L	****	****	****	444	385	27													0,078	0,010	0,221	0,015	0,011	0,001	0,298	0,079	0,069	0,014	0,002	0,001	0,007	0,020	****	0,16	0,35
23602183	70	5	P	RT	L	****	****	****	366	283	35													0,073	0,007	0,419	0,010	0,010	0,001	0,007	0,007	0,015	0,004	0,002	0,001	0,004	0,046	****	0,15	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

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NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
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MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-23 2419900
CERTIFICATE NO	:	0000009052
DATE	:	14.01.2025
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
RM37932	88.9X3.00	6.0	EN10217-1	P235TR1	GPE	312	13/24	1872	10200	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
24227583	114.3X3.00	6.0	EN10217-1	P235TR1	GPE	9	1/9	54	420	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
									10620																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																						Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %												
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																										
RM37932	70	5	P	RT	L	****	****	****	443	365	25															0,106	0,013	0,444	0,017	0,010	0,001	0,009	0,035	0,036	0,005	0,002	0,001	0,007	0,036	****	0,19	0,35
24227583	70	5	P	RT	L	****	****	****	415	327	37															0,063	0,032	0,580	0,024	0,003	0,001	0,048	0,034	0,028	0,005	0,003	0,009	0,006	0,045	****	0,17	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

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CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

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ÇAYIROVA boru
MERKEZ: Rihtim Caddesi No:44 Kadıköy - İSTANBUL
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MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	230390
CERTIFICATE NO	:	0000007214
DATE	:	18.02.2023
PAGE	:	2
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 6 m. BPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift Expanding Test	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH							
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
2228448	88.9X4.00	6.0	EN10217-1	P235TR1	BPE	312	13/24	1872	11701	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****
2227461	88.9X3.00	6.0	EN10217-1	P235TR1	BPE	216	9/24	1296	7999	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****	****	****
									19700																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
2228448	70	5	P	RT	L	****	****	****	382	287	27															0,076	0,023	0,470	0,012	0,015	0,001	0,045	0,030	0,047	0,005	0,002	0,001	0,007	0,040	****	0,17	0,35
2227461	70	5	P	RT	L	****	****	****	380	274	41															0,073	0,013	0,471	0,013	0,015	0,001	0,039	0,025	0,042	0,007	0,001	0,001	0,006	0,041	****	0,17	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.
The Construction Products Regulation (CPR) (EU) No 305/2011 By SZUTEST

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

REPUBLICA MOLDOVA, mun.C. S.R.L. "SANTA... IDNO ... FIRMA DE ... DE SI COMERT

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL	
ORDER	:	232010	
CERTIFICATE NO	:	0000007263	
DATE	:	23.03.2023	
PAGE	:	1	
COMMODITY	:	ERW STEEL TUBES	
SPECIFICATION	:	EN10255 L1 S195T / EN10240 A2 6 m.GPE	

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance
SK86096	114.3X4.00	6.0	EN10255L1	S195T	GPE	76	4/19	456	4748	****	OK	OK	****	OK	****	****	****	****	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****
SK86177	114.3X4.00	6.0	EN10255L1	S195T	GPE	38	2/19	228	2372	****	OK	OK	****	OK	****	****	****	****	****	****	****	****	OK	****	****	****	****	****	****	****	****	****	****
									7120																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES									CHEMICAL COMPOSITION																						Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %												
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																											
SK86096	50	5	P	**	L	****	****	****	435	316	24															0,162	0,017	0,498	0,009	0,007									****	0,250	0,350
SK86177	50	5	P	**	L	****	****	****	438	328	25															0,158	0,018	0,493	0,009	0,008									****	0,240	0,350

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+[(Cr+V+Mo)/5)+[(Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

CE 1015

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.
The Construction Products Regulation (CPR) (EU) No 305/2011 By SZUTEST

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

Özbeyler Metal

TEST SERTİFİKASI

MILL TEST CERTIFICATEEN

10204-3.1

SERTİFİKA NO / CERTIFICATE NO : 20210209-001
SAYFA / PAGE NO : 1
SEVK TARİH / DATE OF DISPATCH
SERTİFİKA TARİH / CERT.DATE 25.8.2022
SERTİFİKA NORMU / CERT.NORM : EN 10204-3.1

CE

2737-CPR-19-IS-0078-TAT-0088

CE marking applies to those produced in accordance with EN 10219
CE markalaması EN 10219 kapsamında üretilen ürünler için gereklidir

MÜŞTERİ ADI & ADRESİ
NAME & ADDRESS OF THE CUSTOMER

ÖZBEYLER METAL

DESCRIPTION OF GOODS:

ETİKET BİLGİSİ / INFORMATION							KİMYASAL ANALİZ / CHEMICAL ANALYSIS								MEKANİK ÖZELLİKLER / MECHANICAL PROPERTIES				V.I
SIRA	LOT	ÜRÜN TİPİ	ÜRT. NORM.	KALİTE	EBAT	DÖKÜM	C %	Si %	S %	Mn %	P %	Al %	N %	Cev %	AKMA	ÇEKME	UZAMA	DARBE/IMPACT TEST	Görsel Muayene
ITEM	NO	TYPE	PRODUCT. NORM	GRADE	SIZE	HEAT NO									YS (N/mm²)	TS (N/mm²)	E (%)	IE	Visual Insp.
1	21045060000	CHS	EN 10219-1	S235JRH	Ø159x5,00	21045060	0,070	0,018	0,009	0,210	0,011	0,034	0,008	0,140	310	422	27,50		G
	2220001043891	CHS	EN 10219-1	S235JRH	Ø219x5,00	1043891	0,040	0,020	0,008	0,240	0,012	0,028	0,007	0,130	323	431	28,30		G

G : İyi / Good
YS: Akma Muk./Yield Strength (N/mm²)
TS: Çekme Muk./Tensile Strength (N/mm²)
E : Uzama/Elongation (%)

IE : Darbe Enerjisi/Impact Energy

CHS: Sanayi Borusu / Industrial Pipe
GSC:Galvanizli Konstrüksiyon Borusu / Galvanised Construction Pipe
PGS: Pre-Galvanised
R: Dikdörten Kutu Profil/ Rectangular Hollow Section
S: Kare Kutu Profil / Square Hollow Section

ONAY / APPROVED BY

Kalite Kontrol Şefi/QC Manager

YÜCELboru
CENTER: Rıhtım cad. No:44 Kadıköy, İSTANBUL / TÜRKİYE
T: +90 216 418 10 00
GEBZE FACTORY: Barış mah. Koşuyolu cad. No: 12 Gebze, KOCAELİ / TÜRKİYE
T: +90 262 648 68 00
Web Adresi: www.yucelboru.com.tr

MILL'S TEST CERTIFICATE
(ACC. TO EN 10204 / 3.1)
Yücel Boru ve Profil Endüstrisi A.Ş.

CE 2195

Customer	FPC SANTARM SRL	Order/PO	2312180	Date	23.02.2024
Sending	KARAYOLU	Report	01750582	Page	1/1

INSPECTION AND TEST RESULTS

MECHANICAL PROPERTIES / CHEMICAL ANALYSIS

											IMPACT ENERGY (Joule)																											
Size x Thickness (mm)	Length (m)	Bundle Ref.No.	PCS	Meter (m)	Weight (Kg)	Product	Quality	Tensile Strength (N/mm2)	Yield Strength (N/mm2)	Elong (%)	TEMP (°C)	1	2	3	AVG	C %	Si %	Mn %	P %	S %	Ni %	Cr %	Mo %	V %	Cu %	Al %	Ti %	Nb %	N %	B %	Ceq %	NDT	Type	Heat Number	Dimension ControlStandard
219.1x6	6	8223058912	7	42,0	820	CHS	S235JRH	416	337	30	-	-	-	-	-	0,063	0,029	0,215	0,007	0,013	0,108	0,102	0,021	0,001	0,451	0,067	0,001	0,001	0,009	0,001	0,161	OK	HR	23106684	EN 10219-1:2006

F.P.C. "SANTARM" S.R.L. IDNO 1003600041683 SOCIETATEA CU RĂSPUNDERE LIMITATĂ REPUBLICA MOLDOVA, mun CHIŞINĂU

Digitally signed by Manus Valentina
Date: 2024.02.28 15:31:43 EET
Reason: MoldSign Signature
Location: Moldova

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.
This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standart.

Laboratory Technician	Quality Chief
Haydar Kara	Aykut Ovacıklıoğlu

Уф 00706 BMD 403176 бу 30.01.20

MILL TEST CERTIFICATE
(Acc. To:EN 10204 3.1)

2195
CPR-1411201

CUSTOMER: METAL HOLDING TRADE LLC
03039, KIEV, SAPERNO-SLOBODYSKOY PROYEZD 4 UKRAINE
DESCRIPTION OF GOODS:ERW STEEL CIRCULAR HOLLOW SECTION
PRODUCTION STANDARD:EN 10219
MATERIAL QUALITY: S 235 JRH

DATE:25.01.2024
PAGE:1/1
CERT.NO:240167
REF. NO:T242343
ORDER NO:14395

ITEM NO	SIZE	WALL THICK.	LENGTH	HEAT	CHEMICAL PROPERTIES (%)							MECHANICAL PROPERTIES			TOTAL PIECES
	(mm.)	(mm.)	(m.)	NO	C	Si	Mn	P	S	Al	N	Yield Point N/mm²	TensileSt. N/mm²	Elong. %	
1	273,0	6,00	12,000	PA08118	0,060	0,020	0,230	0,012	0,008	0,021	0,0060	302	402	33	8
2	273,0	6,00	6,000	PA08118	0,060	0,020	0,230	0,012	0,008	0,021	0,0060	302	402	33	1
3	325,0	6,00	6,000	716470	0,082	0,016	0,720	0,017	0,011	0,041	0,0050	291	402	38	1

MMZ-ONUR BORU PROFİL ÜRETİM SANAYİ ve TİC.

Non Destructive Test according to: EN ISO 10893-2 Level E4
Tensile Test according to: EN ISO 6892-1
Chemical Analysis according to: CR 10261
Impact Test according to: EN ISO 148-1
Dimensional Control according to: EN 10219 1&2

F. No:F 12.01-01, Rev.No:02

REPUBLICA MOLDOVA, mun. CHIŞINĂU "SANTARM" S.R.L. PENTRU DOCUMENTE IDNO 1003600041693 FIRMA DE PRODUCTIE SI COMERT

MMZ ONUR BORU PROFİL ÜRETİM SAN. VE TİC. A.Ş
FAC:Ayazlı Mah. Ereğli Cad. No:180-182 AKÇAKOCA/DÜZCE
TEL:0 380 618 70 70 (4 L.)
FAX.0 380 618 70 71

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-22 2419810
CERTIFICATE NO	:	0000008986
DATE	:	11.12.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
24116807	26.9X2.80	6.0	EN10217-1	P235TR1	GPE	507	3/169	3042	4720	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																						Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %												Product Analysis %												
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																											
24116807	70	5	C	RT	L	****	****	****	405	370	26													0,052	0,008	0,530	0,010	0,005	0,001	0,059	0,041	0,022	0,004	0,002	0,001	0,007	0,044	****	0,15	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

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NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
Web Adresi: www.cayirovaboru.com
Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-9 247250
CERTIFICATE NO	:	0000008518
DATE	:	21.11.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
24221693	76.1X4.00	6.0	EN10217-1	P235TR1	GPE	74	2/37	444	2735	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
24100668	76.1X4.00	6.0	EN10217-1	P235TR1	GPE	74	2/37	444	2655	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
									5390																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																						Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %												
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	Pcm	IIW - CEV	Max. Accept. Value
	BAR	s							N/mm²		%																										
24221693	70	5	P	RT	L	****	****	****	414	351	28															0,058	0,026	0,630	0,013	0,004	0,001	0,059	0,067	0,059	0,007	0,002	0,001	0,008	0,027	****	0,19	0,35
24100668	70	5	P	RT	L	****	****	****	376	321	31															0,061	0,008	0,180	0,013	0,007	0,001	0,297	0,141	0,122	0,021	0,003	0,001	0,005	0,051	****	0,15	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).

ÇAYIROVA boru
MERKEZ: Rıhtım Caddesi No:44 Kadıköy - İSTANBUL
FABRİKA:Osmangazi Mah. Aşıroğlu Cad. No:170 Darıca-KOCAELİ
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Tel :(0216) 418 10 00/10 Faks :338 26 70
Tel :(0262) 653 61 30 (5 Hat)
Fax :(0262) 653 61 35 – 653 61 36

MILL TEST CERTIFICATE

ACC.EN 10204 / 3.1

CUSTOMER	:	FPC SANTARM SRL
ORDER	:	STM-21 2416160
CERTIFICATE NO	:	0000008836
DATE	:	05.11.2024
PAGE	:	1
COMMODITY	:	ERW STEEL TUBES
SPECIFICATION	:	EN10217-1 P235TR1 /EN10240 A2 6 m. GPE

Heat Number	Size (mm)	Length (m)	Standard	Quality	Type	Pcs	B/Pcs	TOTAL LENGTH m	TOTAL WEIGHT kg	End Protect	Bevel Degree	Surf. & Dim.	Bending	Flatten	OFFLINE / ONLINE NDT				Drift	Internal Bead Removed	Drift ExpandingTest	Roll Grooving	Coating	Heat Treated °C	Weld Seam Annealed °C	IMPACT STRENGTH								
															Laminasyon	(UT / ET)	Ref Ind.Size 3.2 mm	Ref.Type Hole								Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J
24116894	88.9X3.00	6.0	EN10217-1	P235TR1	GPE	72	3/24	432	2607	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
24338276	88.9X3.00	6.0	EN10217-1	P235TR1	GPE	120	5/24	720	4313	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
24116944	88.9X3.20	6.0	EN10217-1	P235TR1	GPE	96	4/24	576	3400	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
24116946	88.9X3.50	6.0	EN10217-1	P235TR1	GPE	288	12/24	1728	11180	****	OK	OK	****	OK	****	ET	****	****	****	****	OK	****	OK	****	****	****	****	****	****	****	****	****	****
									21500																							

Heat Number	Hydrostatic Test Pressure&Duration		MECHANICAL PROPERTIES								CHEMICAL COMPOSITION																										Carbon Equivalent		
			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	EL	Heat Analysis %													Product Analysis %													Pcm	IIW - CEV	Max. Accept. Value
												C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al	C	Si	Mn	P	S	Ti	Cu	Ni	Cr	Mo	V	Nb	N	Al			
	BAR	s							N/mm²		%																												
24116894	70	5	P	RT	L	****	****	****	371	300	39															0,052	0,011	0,560	0,012	0,014	0,001	0,048	0,035	0,022	0,005	0,002	0,001	0,005	0,057	****	0,16	0,35
24338276	70	5	P	RT	L	****	****	****	382	319	39															0,059	0,013	0,580	0,013	0,010	0,001	0,050	0,041	0,033	0,004	0,002	0,001	0,007	0,046	****	0,17	0,35
24116944	70	5	P	RT	L	****	****	****	364	288	40															0,059	0,011	0,570	0,012	0,016	0,001	0,074	0,040	0,037	0,006	0,003	0,001	0,005	0,048	****	0,17	0,35
24116946	70	5	P	RT	L	****	****	****	365	272	35															0,066	0,015	0,580	0,011	0,016	0,001	0,058	0,042	0,024	0,005	0,002	0,001	0,006	0,077	****	0,18	0,35

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE.

Water well casing usage is not acceptable.
Orientation = L (longitudinal) ,Q (transverse) / Shape = C (cylindric) , P (prismatic) / Yield Strength= Rp0.2
CEV =C+(Mn/6)+((Cr+V+Mo)/5)+((Ni+Cu)/15)

Ayşe Çakır
Laboratory Technician

This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standard.

NDT test are performed according to EN ISO 10893-11 U3/U3H (UT), EN ISO 10893-2 E3/E3H (ET).