

CUSTOMER : METALCA-ZUEV S.R.L.
 ORDER : MZV-4 243540
 CERTIFICATE NO : 000008477
 DATE : 26.06.2024
 REFERENCE : EN 10204-3.1
 COMMODITY : ERW STEEL TUBES
 SPECIFICATION : EN10217-1 P235TR1 12 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			Internal Bead	Drift	Expanding Test	Roll Grooving	Coating	Heat Treated °C	Annealed °C	Location	Longitudinal	Transverse	Size	Type	Test Temp °C	Seam J	Material J	Acceptance J									
															Laminasyon	(UT/ET)	Ref Ind Size																									
24221396	273.0X6.00	12.0	EN10217-1	P235TR1	BPE	20	4/5	240	9308	OK	OK	OK	OK	OK	OK	ET	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK									
RA02668	273.0X6.00	12.0	EN10217-1	P235TR1	BPE	10	2/5	120	4652	OK	OK	OK	OK	OK	OK	ET	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK									
23336087	273.0X6.00	12.0	EN10217-1	P235TR1	BPE	20	4/5	240	9320	OK	OK	OK	OK	OK	OK	ET	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK									
																IMPACT STRENGTH																										
																CHEMICAL COMPOSITION																										
Heat Number	Hydrostatic Test Pressure & Duration			Shape	Test Temp °C	Orientation	Type	Size	Location	Tensile Strength	Yield Strength	Elongation %	Heat Analysis %													Product Analysis %							Carbon Equivalent									
	BAR	s											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	Max. Accep.
24221396	70	5	P	RT	Q	****	****	****	****	402	323	34	0.063	0.020	0.580	0.015	0.003	0.001	0.043	0.031	0.035	0.003	0.002	0.001	0.007	0.041	0.17	0.35	0.069	0.021	0.240	0.001	0.001	0.230	0.069	0.013	0.003	0.001	0.008	0.039	0.13	0.35
RA02668	70	5	P	RT	Q	****	****	****	****	402	302	34	0.056	0.013	0.588	0.012	0.010	0.001	0.067	0.050	0.031	0.002	0.001	0.006	0.046	0.17	0.35	0.056	0.013	0.588	0.012	0.010	0.001	0.067	0.050	0.031	0.002	0.001	0.006	0.046	0.17	0.35
23336087	70	5	P	RT	Q	****	****	****	****	396	304	38	0.056	0.013	0.588	0.012	0.010	0.001	0.067	0.050	0.031	0.002	0.001	0.006	0.046	0.17	0.35	0.056	0.013	0.588	0.012	0.010	0.001	0.067	0.050	0.031	0.002	0.001	0.006	0.046	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/5)+((Cr+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/EBH (ET).																																										
AYSE ÇAKIR Laboratory Technician																																										