

Manufacturer: ArcelorMittal Tubular Products Roman S.A. Stefan cel Mare, 15A/1, 611038 Roman, Neamt County, Romania		INSPECTION CERTIFICATE according to EN 10204/2005				Page 1/2		 ArcelorMittal									
		Tevi din otel fara sudura laminate la cald				Total weight: 7.975 tons - lbs				Total Length: 161.57 meters - feet							
		Standard: API 5L ED 46-2018/PSL1; ASTM A106/A 106M-2019a, ASME SA106/SA 106M-2019, EN 10216-2-2013+A1-2019,								Pieces 20							
Buyer's reference: Contract 10002846		Dimensions: 323.90 x 6.30 mm		Schedule:		Length: 5.00 - 13.00 m											
Item		Item Client		Hydro Test:		Bar		PSI		MPa		Time(sec)		Steel Grade:		B/P265GHTC1	
8						139				13.9		5					
				Bill: 5386				Transport: MH.71.MFB-MH.28.MFB									

Chemical Analysis(%)

Heat	Bulletin No.	Product Req.	Max	C	Mn	Si	S	P	Cr	Ni	Cu	Al	Mo	V	Nb	Ti	B
				Min	0.20	1.06	0.40	0.010	0.025	0.30	0.30	0.30	-	0.08	0.020	0.020	0.040
464876		Heat analysis	Min	-	0.29	-	-	-	-	-	-	0.020	-	-	-	-	-
464876	21-476	Product analysis	Max	0.15	0.84	0.18	0.005	0.009	0.11	0.10	0.13	0.025	0.02	0.003	0.001	0.002	0.0001
464876	21-476	Product analysis	Min	0.14	0.85	0.18	0.004	0.010	0.11	0.10	0.12	0.027	0.02	0.002	0.001	0.002	0.0002
464876	21-476	Product analysis	Max	0.14	0.84	0.18	0.004	0.010	0.11	0.10	0.12	0.027	0.02	0.002	0.001	0.002	0.0002

Chemical Analysis(%)

Heat	Bulletin No.	Product Req.	Max	Nb + V		Nb + Ti + V		Cr + Mo + Ni + Cu + V		Cr + Mo + Ni + Cu	
				Min	0.060	0.150	1.000	0.700	-	-	-
464876		Heat analysis	Min	0.004	0.006	0.363	0.360	-	-	-	
464876	21-476	Product analysis	Max	0.003	0.005	0.352	0.350	-	-	-	
464876	21-476	Product analysis	Min	0.003	0.005	0.352	0.350	-	-	-	

$$CE_{pcm} = C + Si/30 + Mn/20 + Cu/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + 5B$$

$$CE_S = C + Mn/6$$

$$CE_{IIV} = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$$

Tensile Test

Heat	Orientation	Length		Width/Diameter		Thickness		Section		Mechanical test Bulletin No.	YS MPa	YS (PSI:1000)	UTS MPa	UTS (PSI:1000)	E %	YS/UTS max: -
		mm	inch	mm	inch	mm	inch	mm ²	inch ²							
464876	Longitudinal Flat	50.8	-	40.00	-	6.40	-	256.0	-	21-1603	339.00	-	495.00	-	39.80	0.68
464876	Longitudinal Flat	-	-	20.00	-	6.30	-	126.0	-	21-1107	340.90	-	493.20	-	36.00	0.69

We state on our sole responsibility that the delivered products are in conformity with the order requirements.

Quality Control Representative