

WORLEYPARSONS PO# CA4260097-B-1031 Item# 5
 Heat Number: 62031
 Trans Am Piping Products Ltd. - Rev'd By: SB
 Shipment/Seq #: S 18. 1461

6" STD SEAMLESS CS PIPE
 A/SA106 GR B BE - DRL
 (.280"WT)

Manufacturer: ArcelorMittal Tubular Products Roman S.A. STEFAN CEL MARE STR, BL 15, SC. A, PARTER I ROMAN, NEAMT ROMANIA		<h2 style="margin: 0;">MILL TEST CERTIFICATE</h2> <p style="margin: 0;">according to EN 10204/3.1/2004</p>				Page 1/5 B 14668/1 30.04.2018					
Buyer: ARCELORMITTAL PROJECTS NETHERLANDS B.V. MANNESMANNWEG 5, 4794SL HELDINGEN NETHERLANDS		SEAMLESS STEEL PIPES				Total weight: 35.398 tons 78 039 lbs		Total Length: 1 252.65 meters 4 109.73 feet		Pieces Bundles	
Buyer's reference: PO NO.:320005872/18-0180 Contract 58883539		Standard: API 5L ed 45-2012-PSL1; ASME SA 106/SA 106M-2017; ASTM A 106/A 106M-2015; ASME SA 530/SA 530M-2017; NACE MR 0175/ISO 15156-1&2-2015; ANSI/NACE MR 0103/ISO 17945-2015; ASME B36.10M-2015; Spec. CSA Z245.1-2014-290 CAT I SS-API 5L B/X42-A/SA 106B: Pipe specification & AMTP Roman response				Length: 10.00 - 11.00 m 32.81 - 38.71 feet					
		Dimensions: 168.30 x 7.11 mm 6.625 x 0.280 inch		Schedule: STD/40							
		Hydro Test:		Bar 183	PSI 2667	MPa 18.3	Time(sec) 5	Steel Grade: B/X42/B/GRADE 290-CATEGORY I SS			

Heat	Bulletin No.	Product Req.	Max Min	C	Mn	Si	S	P	Cr	Ni	Cu	Al	Mo	V	Nb	Ti	Ca	B
				0.26	1.35	0.05	0.030	0.030	0.40	0.40	0.40	-	0.15	0.080	-	-	-	-
62022		Heat analysis	0.14 0.29	0.84 0.10	0.20 0.10	0.005 -	0.009 -	0.08 -	0.09 -	0.18 -	0.032 -	0.02 -	0.005 -	0.001 -	0.001 -	0.0015 -	0.0004	
62023		Heat analysis	0.15	0.84	0.18	0.003	0.007	0.08	0.08	0.15	0.030	0.02	0.006	0.001	0.001	0.0018	0.0003	
62025		Heat analysis	0.14	0.84	0.18	0.005	0.007	0.08	0.09	0.16	0.028	0.03	0.005	0.001	0.001	0.0020	0.0004	
62026		Heat analysis	0.14	0.85	0.19	0.003	0.007	0.07	0.09	0.17	0.033	0.02	0.006	0.001	0.001	0.0018	0.0002	
62031		Heat analysis	0.14	0.90	0.16	0.003	0.014	0.13	0.10	0.19	0.030	0.02	0.007	0.001	0.001	0.0022	0.0001	
62022	18-532	Product analysis	0.14	0.83	0.20	0.004	0.009	0.07	0.09	0.17	0.029	0.02	0.003	0.002	0.001	0.0022	0.0002	
62022	18-532	Product analysis	0.14	0.84	0.20	0.004	0.009	0.07	0.09	0.17	0.030	0.02	0.003	0.002	0.001	0.0019	0.0002	
62023	18-532	Product analysis	0.15	0.85	0.19	0.003	0.007	0.07	0.08	0.16	0.032	0.02	0.006	0.002	0.001	0.0023	0.0002	
62023	18-532	Product analysis	0.15	0.84	0.19	0.003	0.007	0.07	0.09	0.16	0.032	0.02	0.006	0.002	0.001	0.0024	0.0002	
62025	18-443	Product analysis	0.15	0.87	0.17	0.002	0.010	0.10	0.10	0.17	0.030	0.02	0.004	0.002	0.001	0.0024	0.0002	
62025	18-443	Product analysis	0.15	0.87	0.18	0.002	0.010	0.10	0.10	0.18	0.029	0.02	0.004	0.002	0.001	0.0026	0.0001	
62026	18-447	Product analysis	0.15	0.86	0.18	0.002	0.008	0.09	0.09	0.15	0.034	0.02	0.005	0.002	0.001	0.0029	0.0003	
62026	18-447	Product analysis	0.15	0.86	0.18	0.003	0.008	0.09	0.09	0.15	0.035	0.02	0.005	0.002	0.001	0.0026	0.0003	
62031	18-465	Product analysis	0.15	0.88	0.18	0.005	0.010	0.10	0.09	0.16	0.029	0.02	0.004	0.002	0.001	0.0026	0.0002	
62031	18-465	Product analysis	0.15	0.87	0.18	0.005	0.010	0.10	0.09	0.17	0.030	0.02	0.004	0.002	0.001	0.0028	0.0002	

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

Formular 12A. rev.9

Quality Control Representative
 Eng. Damoc Ciprian

