




original

 STAHLWERK THÜRINGEN		A03	Certificate No. 2321/9-2012 Advice No. A120926096	1/3
		A02	Test Report according to ASTM A6	
A01	Stahlwerk Thüringen GmbH		 Abinsa S.A. de C.V. San Nicolas de los Garza Av. Adolfo Lopez Materos km 6. 66400 Monterrey MEXICO	
A05	Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany			
A08	Our Order No.:	2030630112		
A07	Your Order No.:	email dated 08.07.2012		
B02	Quality:	A572 GRADE 50		
	according to:	ASTM A572 GRADE 50		



Pos.	Heat No.	Dimension	Length	Pieces	Weight
A10	B07	B01	B09	B08	B13
004	25570	C 10X15,3	480 in	234	65 010 kg
004	25571	C 10X15,3	480 in	262	72 865 kg
004	25578	C 10X15,3	480 in	72	20 255 kg
005	25555	C 10X20	480 in	20	7 295 kg
005	25563	C 10X20	480 in	85	30 675 kg
006	25560	C 10X25	480 in	90	40 940 kg
007	25558	C 10X30	480 in	56	30 275 kg
007	25559	C 10X30	480 in	21	11 360 kg
008	25528	C 12X20,7	480 in	110	41 810 kg
008	25529	C 12X20,7	480 in	140	52 735 kg
009	25526	C 12X25	480 in	40	18 245 kg
009	25527	C 12X25	480 in	45	20 470 kg
010	25541	C 12X30	480 in	72	38 935 kg

Heat Analysis [%]											
Heat No.	C	Si	Mn	P	S	N	Al	Nb	V	Cr	
B07	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	
max	0.20	0.40		0.040	0.050			0.050			
min								0.005			
25526	0.09	0.21	1.12	0.018	0.025	0.008	0.003	0.014	0.009	0.07	
25527	0.07	0.21	1.14	0.018	0.024	0.007	0.004	0.013	0.009	0.07	
25528	0.08	0.21	1.20	0.025	0.024	0.008	0.003	0.016	0.009	0.09	
25529	0.09	0.20	1.16	0.022	0.026	0.009	0.003	0.016	0.009	0.09	
25541	0.08	0.20	1.14	0.012	0.028	0.008	0.003	0.015	0.008	0.09	
25555	0.09	0.20	1.15	0.017	0.024	0.006	0.003	0.014	0.009	0.09	
25558	0.09	0.20	1.14	0.019	0.023	0.004	0.003	0.014	0.008	0.11	
25559	0.09	0.20	1.15	0.017	0.024	0.006	0.003	0.014	0.009	0.09	
25560	0.09	0.20	1.14	0.024	0.024	0.005	0.003	0.014	0.008	0.15	
25563	0.08	0.21	1.15	0.016	0.027	0.009	0.003	0.014	0.008	0.09	
25570	0.09	0.19	1.15	0.034	0.023	0.007	0.003	0.015	0.009	0.14	
25571	0.07	0.21	1.14	0.018	0.024	0.007	0.004	0.013	0.009	0.07	
25578	0.08	0.20	1.12	0.019	0.025	0.007	0.005	0.015	0.008	0.09	

203 Works inspector
René Merbach





202 Sep 27, 2012

 STAHLWERK THÜRINGEN		A03 Certificate No. 2321/9-2012 2/3 Advice No. A120926096																																																																																	
A01 Stahlwerk Thüringen GmbH A05 Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany		A02 Test Report according to ASTM A6 																																																																																	
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Z03 Works inspector
 René Merbach

Z02 Sep 27, 2012

original


 STAHLWERK THÜRINGEN		A03	Certificate No. 2321/9-2012 Advice No. A120926096	3/3
		A02	Test Report according to ASTM A6	
A01	Stahlwerk Thüringen GmbH	A04	 Abinsa S.A. de C.V. San Nicolas de los Garza Av. Adolfo Lopez Materos km 6. 66400 Monterrey MEXICO	
A05	Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany	A06		
A08	Our Order No.: 2030630112			
A07	Your Order No.: email dated 08.07.2012			
B02	Quality: A572 GRADE 50 according to: ASTM A572 GRADE 50			

Tensile test (ISO6892-1: B20)

Heat No.	Yield stress [PSI] [c11]	Tensile strength [PSI] [c12]	Elongation 2 in [%] [c13]	Ys/Ts [c14]
max		65000	21.0	
min	50000	74965	38.3	0.72
25559/1	53650	73080	42.9	0.76
25559/2	55680	77575	37.0	0.72
25560/1	55825	73805	42.2	0.78
25560/2	57710	71920	38.3	0.73
25563/1	52345	73225	42.9	0.76
25563/2	55390	74530	40.9	0.73
25570/1	54375	73950	42.2	0.76
25570/2	56405	74095	39.6	0.71
25571/1	52925	72210	42.9	0.75
25571/2	54230	72210	39.6	0.73
25578/1	52635	73225	42.2	0.74
25578/2	53940			

Z01 We confirm herewith that the delivered material complies with the terms of the order.

Z03 Works inspector
René Merbach



Z02 Sep 27, 2012