



STAHLWERK THÜRINGEN
Grupo Alfonso Gallardo

1/2
Certificate No. 2917/9-2011
Advice No. A110930003

Inspection Certificate 3.1
according to EN 10204:2004/3.1

A01 Stahlwerk Thüringen GmbH
A09 Quality Assurance Department
Kronacher Straße 6
07333 Unterwellenborn
Germany

A04 **SWT**
A06
Salzgitter Mannesmann
International GmbH
Schwannstrasse 12
40476 Duesseldorf
GERMANY

A08 Our Order No.: 2022914111
A07 Your Order No.: 315/10188

B02 Quality: A36/A572 DUAL
according to: PRODUCED TO ASTM A36
AND ASTM A572 GRADE 50

Pos.	Heat No.	Dimension	Length	Pieces	Theoretical Weight
A10	B07	B01	B09	B08	B12
001	14479	C 10X25	12 200 mm	63	28 593 kg
001	14480	C 10X25	12 200 mm	98	44 478 kg
001	14481	C 10X25	12 200 mm	129	58 548 kg
001	14491	C 10X25	12 200 mm	36	16 339 kg
002	14473	C 10X30	12 200 mm	112	61 008 kg
002	14474	C 10X30	12 200 mm	105	57 195 kg
002	14475	C 10X30	12 200 mm	63	34 317 kg
003	14538	C 12X30	12 200 mm	91	49 569 kg
003	14539	C 12X30	12 200 mm	133	72 447 kg
003	14540	C 12X30	12 200 mm	76	41 398 kg
004	14427	C 15X33,9	12 200 mm	91	56 004 kg
004	14428	C 15X33,9	12 200 mm	105	64 620 kg
004	14429	C 15X33,9	12 200 mm	68	41 849 kg

Heat Analysis [%]									
Heat No.	C	Si	Mn	P	S	N	Nb	V	
B07	C71	C72	C73	C74	C75	C76	C77	C78	
max		0.40		0.040	0.050		0.050		
min							0.005		
14427	0.08	0.21	1.17	0.015	0.020	0.009	0.015	0.010	
14428	0.08	0.20	1.14	0.014	0.024	0.010	0.014	0.009	
14429	0.08	0.19	1.15	0.021	0.024	0.010	0.014	0.009	
14473	0.09	0.22	1.16	0.026	0.029	0.007	0.015	0.010	
14474	0.09	0.20	1.13	0.027	0.027	0.010	0.015	0.008	
14475	0.09	0.20	1.13	0.027	0.027	0.010	0.015	0.008	
14479	0.09	0.21	1.12	0.028	0.025	0.010	0.016	0.010	
14480	0.08	0.19	1.13	0.024	0.024	0.010	0.016	0.008	
14481	0.08	0.20	1.13	0.025	0.023	0.011	0.016	0.009	
14491	0.08	0.22	1.16	0.016	0.024	0.010	0.015	0.009	
14538	0.10	0.22	1.14	0.021	0.023	0.009	0.014	0.010	
14539	0.09	0.19	1.12	0.020	0.022	0.008	0.011	0.009	
14540	0.09	0.19	1.10	0.022	0.021	0.007	0.014	0.009	

Works inspector
René Merbach

Sep 30, 2011



STAHLWERK THÜRINGEN
Grupo Alfonso Gallardo

Certificate No. 2917/9-2011
Advice No. A110930003

2 / 2

Inspection Certificate 3.1

according to EN 10204:2004/3.1

A01 Stahlwerk Thüringen GmbH
A05 Quality Assurance Department
Kronacher Straße 6
07333 Untenwellenborn
Germany

SWT

A08 Our Order No.: 2022914111
A07 Your Order No.: 315/10188

Salzgitter Mannesmann
International GmbH
Schwannstrasse 12
40476 Duesseldorf
GERMANY

B02 Quality: A36/A572 DUAL
according to: PRODUCED TO ASTM A36
AND ASTM A572 GRADE 50

Tensile test

Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
C07	C11	C12	C13	C14
max		80000		
min	50000	65000	21.0	
14427/1	53360	71340	42.2	0.75
14427/2	56115	73515	42.2	0.76
14428/1	51910	70905	40.9	0.73
14428/2	55245	73080	42.9	0.76
14429/1	53070	71050	39.6	0.75
14429/2	55825	72500	43.6	0.77
14473/1	53505	74820	35.6	0.72
14473/2	56260	73515	41.6	0.77
14474/1	56115	72355	35.6	0.78
14474/2	55680	72935	42.9	0.76
14475/1	55680	71485	34.3	0.78
14475/2	55680	72935	42.9	0.76
14479/1	51040	75690	34.3	0.67
14479/2	58435	73950	42.9	0.79
14480/1	53795	70905	35.6	0.76
14480/2	55100	73225	42.9	0.75
14481/1	53215	71050	39.6	0.75
14481/2	55100	72790	42.9	0.76
14491/1	55825	73080	38.3	0.76
14491/2	55535	72210	42.2	0.77
14538/1	55245	73515	38.3	0.75
14538/2	55970	72210	42.9	0.78
14539/1	56115	74530	40.9	0.75
14539/2	53360	71920	43.6	0.74
14540/1	56260	72935	39.6	0.77
14540/2	54665	72645	42.9	0.75

B14 Material for galvanization. Si: 0.14% - 0.25%

203 Works inspector
René Merbach

202 Sep 30, 2011