



**STAHLWERK
THÜRINGEN**

ACS Certificate No. 1225/4-2020 1/3
Advice No. A200409052

AO2 Test Report
according to ASTM A6

AO1 Stahlwerk Thüringen GmbH
AO5 Quality Assurance Department
Kronacher Straße 6
07333 Unterwellenborn
Germany


AO4 (SWT)
AO5 Ferrecabsa, S.A. de C.V.
Holbein 217
03720 Benito Juárez
MEXICO

AO6 Our Order No.: 0020005415
AO7 Your Order No.: TAC298

BO2 Quality: A992 DUAL
according to: ASTM A992 -
ASTM A572 GR50

Pos. [A10]	Heat No. [B07]	Dimension [B01]	Length [B09]	Pieces [B08]	Theoretical Weight [B12]
002	34775	C 15X33,9	480 in	28	17 224 kg
002	34776	C 15X33,9	480 in	23	14 148 kg
003	34777	C 15X40	480 in	7	5 080 kg
003	34780	C 15X40	480 in	52	37 737 kg
004	34782	C 15X50	480 in	36	32 650 kg
005	30757	W 4X4X13	480 in	10	2 359 kg
005	34536	W 4X4X13	480 in	199	46 944 kg
006	34537	W 4X4X13	480 in	100	23 590 kg
006	35056	W 21X8,25X93	480 in	9	15 186 kg
006	35057	W 21X8,25X93	480 in	56	94 491 kg

Heat Analysis [%]										
Heat No. [B07]	C [C71]	Si [C72]	Mn [C73]	P [C74]	S [C75]	N [C76]	Nb [C77]	V [C78]	Cr [C79]	Cu [C80]
max	0.23	0.40	1.50	0.035	0.045	0.012	0.050	0.110	0.35	0.60
min		0.10	0.50				0.005			
30757	0.08	0.23	0.99	0.015	0.017	0.010	0.021	0.005	0.10	0.28
34536	0.08	0.18	0.93	0.016	0.019	0.010	0.020	0.004	0.09	0.24
34537	0.08	0.19	0.93	0.021	0.023	0.010	0.019	0.005	0.10	0.30
34775	0.08	0.19	0.92	0.018	0.022	0.009	0.019	0.005	0.11	0.34
34776	0.08	0.20	0.93	0.014	0.012	0.007	0.019	0.005	0.09	0.28
34777	0.08	0.20	0.92	0.013	0.019	0.009	0.020	0.005	0.10	0.27
34780	0.08	0.19	0.93	0.018	0.021	0.009	0.019	0.005	0.12	0.31
34782	0.08	0.20	0.94	0.018	0.022	0.009	0.019	0.005	0.10	0.28
35056	0.08	0.19	0.94	0.020	0.026	0.010	0.021	0.005	0.10	0.30
35057	0.09	0.20	0.95	0.022	0.024	0.009	0.020	0.005	0.11	0.40

203 Works inspector
René Merbach

202 Apr 9, 2020



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2/3

Test Report

according to ASTM A6

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Heat No.	Ni	Mo	CEV1	Sn
[B07]	[C71]	[C72]	[C53]	[C73]
max	0.45	0.15	0.45	
min				
30757	0.15	0.03	0.30	0.012
34536	0.13	0.02	0.28	0.012
34537	0.13	0.03	0.29	0.013
34775	0.16	0.04	0.29	0.013
34776	0.16	0.04	0.30	0.012
34777	0.13	0.03	0.28	0.012
34780	0.16	0.04	0.30	0.013
34782	0.16	0.04	0.30	0.012
35056	0.15	0.03	0.30	0.014
35057	0.16	0.03	0.31	0.015

Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
[B07]	[C11]	[C12]	[C13]	[C14]
max	65000			
min	50000	65000		0.85
30757	59450	72355	21.0	
34536/1	58145	71920	38.3	0.82
34536/2	55535	71775	39.6	0.81
34537/1	58725	71195	40.3	0.77
34537/2	55390	71775	39.6	0.82
34775/1	58435	72065	40.9	0.77
34775/2	55245	72065	42.2	0.81
34776/1	58870	69310	40.9	0.77
34776/2	55680	72355	39.6	0.85
34777	60030	72790	40.9	0.77
34780/1	58870	71050	37.0	0.82
34780/2	55390	72355	37.0	0.83
34782/1	59305	71775	40.9	0.77
34782/2	55680	72500	40.9	0.83
35056/1	56260	70325	40.9	0.77
35056/2	55825	72500	42.2	0.80
			40.3	0.77

Works inspector
 René Merbach

Apr 9, 2020



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AG9 Our Order No.: 0020005415
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B02 Quality: A992 DUAL
according to: ASTM A992 -
ASTM A572 GR50

Tensile test

Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
[C07]	[C11]	[C12]	[C13]	[C14]
max	65000			0.85
min	50000	65000	21.0	
35057/1	57420	70470	43.6	0.81
35057/2	55825	73080	40.3	0.76

Z01 Material for galvanization. Si: 0.14% - 0.25%

HOT ROLLED, NON-ALLOYED CARBON STEEL PROFILES

- electric arc melting
- Melted & Manufactured in Germany
- fine grain silicon killed

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

Z03 Works inspector
René Merbach

Z02 Apr 9, 2020