



STAHLWERK THÜRINGEN
Grupo Alfonso Gallardo

A03

Certificate Nr 2331/1-2008

1 / 1

Advice Nr G2101047

A02

Test Report

according to EN 10204:2004/2.2.

A04

SWT

A06

Plesa Anahuac y Cias, S.A. de C.V.
Colonia San Francisco Chilpan
Av. Valle de las Alamedas N°66
54490 Tultitlan
MEXICO

A01

Stahlwerk Thüringen GmbH

A05

Qualitätsstelle

Kronacher Straße 6
07333 Unterwellenborn
Germany

A08

Order Nr: 2000525107

A07

Customer Nr:

B02

Quality: GRADE 50
according to: ASTM A572M

Lot Nr	Heat Nr	Dimension	Length	Pieces	Weight [t]	Customer Nr
A10	B07	B01	B09	B08	B13	A11
001	54971	C 12X25	12192 mm	24	10.800	
001	54972	C 12X25	12192 mm	16	7.215	

Heat Analysis [%]

Heat Nr	C	Si	Mn	P	S	N	Nb	V
B07	C71	C72	C73	C74	C75	C76	C77	C78
max	0.23	0.40		0.040	0.050		0.050	0.150
min							0.005	
54971	0.08	0.20	1.14	0.023	0.029	0.007	0.015	0.007
54972	0.08	0.23	1.14	0.022	0.025	0.006	0.016	0.007

Tensile test

Heat Nr	Yield stress [PSI]	Tensile strength [PSI]	Elongation 50 mm [%]	Ys/Ts
B07	C11	C12	C13	C14
max				
min	50000	65000	21.0	
54971	70615	72790	39.6	0.97
54972	52925	75690	42.2	0.70

B14

Material for galvanization. Si: 0.15% - 0.25%

Z03

Works inspector
Renate Schmidt

Z02

Jan 21, 2008