

EST 16947



Certificate Nr 1150/5 2004
Advice Nr A0705098

8205
25859

Stahlwerk Thüringen GmbH
Postfach 1163
07331 Unterwellenborn
Germany

Order Nr: 1700001772
Customer Nr: FERRE BARNIEDO

Arcelor International America, LLC
Mill business, Long Products
350 Hudson Street

Quality: A992 DUAL
according to: ASTM A992/98 - A572 GR50
PER AISC TB3 - ASTM A572/97C GR50
FINE GRAIN SILICON KILLED

USA-10014 NEW YORK

Inspection certificate

ASTM A6 par18.

Lot Nr	Heat Nr	Dimension	Length	Pieces	Weight [t]	Customer Nr
11	13552	C 10X15,3	40'	112	31.091	
001	13553	C 10X15,3	40'	96	26.650	

Heat Analysis [%]		C	Si	Mn	P	S	N	Nb	V	Cr	Cu
	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			
13552		0.10	0.20	1.16	0.021	0.026	0.009	0.015	0.008	0.08	0.35
13553		0.08	0.21	1.15	0.025	0.021	0.010	0.014	0.009	0.10	0.25

Heat Analysis [%]		Ni	Mo	CEV1	Sn
	max	0.45	0.15	0.45	
	min				
13552		0.17	0.04	0.36	0.016
13553		0.15	0.03	0.33	0.013

Heat Nr	Tensile test		
	Yield stress [PSI]	Tensile strength [PSI]	Elongation 50 mm [%]
	max	65000	
	min	50000	
13552		57565	33.0
13553		55825	32.5

Renate Schmidt
Works inspector

2004-05-10

