



Certificate Nr 1150/5-2004

Advice Nr A0705098

8205

Stahlwerk Thüringen GmbH
Postfach 1163
07331 Unterwellenborn
Germany

25259

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

*CDNDL
10 K22 105/11*

ASTM A6 par18.


Lot Nr	Heat Nr	Dimension	Length	Pieces	Weight [t]	Customer Nr
11	13552	C 10X15,3	40'	112	31.091	
101	13553	C 10X15,3	40'	96	26.650	

Heat Analysis [%]											
Heat Nr	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	0.10	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 [%]				
Heat Nr	Ni	Mo	CEV1	Sn
	max 0.45	0.15	0.45	
	min 0.17	0.04	0.36	0.016
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	65000	21.0
13552	57565	73080	33.0
13553	55825	73805	32.5

Renate Schmidt
Works inspector



2004-05-10

