

Attn. Sr. Humberto Del A.

~~5058702~~
682081

Gerdau Açominas S.A.
Avenida João XXIII, 6777
Tel 21 414-6000 Fax 21 414-6243
CEP 23560-900 - RIO DE JANEIRO - RJ

MILL'S CERTIFICATE

THIS PRODUCT IS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLIED TECHNICAL STANDARD AND WAS MONITORED IN EVERY MANUFACTURING STAGE

Customer: _____ Invoice: 0001679E04 Code: 0005038702 Certificate No: 0000682081

Material: SOLERAS Quality: ASTM A-36 Size: 4 X 1/4 Length: 20 PES Date: 22/11/2004 Page: 15 of 15


Heat	C %	Mn %	Si %	S %	P %	LE N/mm2	LR N/mm2	Alng %									
41257718	0,15	0,74	0,17	0,026	0,011	343	453	24,00									
41257847	0,11	0,66	0,16	0,024	0,009	332	452	24,00									
41257848	0,12	0,77	0,18	0,028	0,008	350	453	30,00									

Code of Mechanical Properties

Observation

Technical Responsible

Alng Alongamento
LE Limite de Escoamento
LR Limite de Resistência


Ricardo Marra Antunes
CREA 901018962