

Gerdaq 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: 0005058702 Certificate No: 0000696981

Material: SOLERAS Quality: ASTM A-36 Size: 3 X 1/4 Length: 20 PES Date: 22/11/2004 Page: 14 of 15

Heat	C %	Mn %	Si %	S %	P %	LE N/mm ²	LR N/mm ²	Alng %									
41257041	0,12	0,75	0,18	0,029	0,014	352	463	30,00									
41257042	0,11	0,74	0,16	0,028	0,018	318	431	30,00									

Code of Mechanical Properties Alng Alongamento LE Limite de Escoamento LR Limite de Resistência	Observation	Technical Responsible Ricardo Marra Antunes CREA 901018962
---	--------------------	---

Humberto del Castillo
 0155 53 104894