



GERDAU AÇORNAS S.A.
 ROD MG 443 KM 7 SN FAZENDA DO CADETE
 OURO BRANCO MG
 36120-000 BRZL

MILL TEST / QUALITY CERTIFICATE

CUSTOMER	FAF-PRODUTOS SIDERURGICOS S A	CUSTOMER ORDER	FAF-18-05-2017	SALES ORDER	5181616-000014	PAGE	1/1
PRODUCT	Plata	EDGE TYPE	Cal edge	DIMENSIONS	16,000mm x 2000mm x 12000mm	DATE	08/12/2017
SPECIFICATION	EN 10025-2:2004 - S275SR4R	DELIVERY CONDITION	As rolled	DOCUMENT NUMBER	00039333E17		

Gerdau S.A. certifies that the material herein described is in accordance with the applicable technical specifications. As mutual protection for customer and supplier, this certificate is considered as confidential and can not be transferred or reproduced without the written authorization of Gerdau S.A.

PLATE #	WEIGHT (MT)	HEAT	SAMPLE	PLATE #	WEIGHT (MT)	HEAT	SAMPLE	PLATE #	WEIGHT (MT)	HEAT	SAMPLE
3705444701	3.014	270929889	27092989021	3705444803	3.014	270929889	27092989021	3705445101	3.014	270929889	27092989007
3705444702	3.014	270929889	27092989021	3705444901	3.014	270929889	27092989007	3705445102 (*)	3.014	270929889	27092989007
3705444703	3.014	270929889	27092989021	3705444902	3.014	270929889	27092989007	3705445103	3.014	270929889	27092989007
3705444801	3.014	270929889	27092989021	3705445002	3.014	270929889	27092989007	3705746901 (*)	3.014	270929889	27092989007
3705444802 (*)	3.014	270929889	27092989021	3705445003	3.014	270929889	27092989007	3705746902	3.014	270929889	27092989005

HEAT	CEQ21%	SI(%)	PI(%)	SI(%)	AI TT(%)	C(%)	Ca(%)	TI(%)	Mn(%)	Nb(%)	Ni(%)	V(%)	B(%)	Cu(%)	Ni(%)
270929889	0.30	0.14	0.20	0.022	0.027	0.01	0.01	0.001	0.00	0.001	0.01	0.004	0.0001	0.0004	0.0045
270929845	0.30	0.14	0.21	0.015	0.024	0.02	0.00	0.001	0.01	0.001	0.02	0.003	0.0001	0.0004	0.0051

TENSILE TEST	TS/RT (MPa)	YS(%)	ELONG(L)AR(%)	TS/RT (MPa)	YS(%)	ELONG(L)AR(%)
27092989007	451	0.65	37.0	451	0.65	37.0
27092989021	402	0.77	24.0	402	0.77	24.0
270929845005	308	0.87	32.0	308	0.87	32.0

ABBREVIATIONS	YSRE	Yield Point	TS/RT	Tensile Strength	YS(%)	Elastic Ratio	ELONG(L)AR	Elongation
*)								

REMARKS
 CEQ2 = C-Mn-Si-Cu-Nb-V-Ti-Al-Ni-Co
 Product Type: Hot Rolled Structural Steel Products
 EC Certificate of Conformity: 00039333E17
 Declaration of Performance: n° 00039333E17
 Harmonised Standard: EN 10025-2:2004
 Essential Characteristics: Tensile / Yield Strength and Weldability: S275SR
 Durability: regulated substance - No Performance Determined
 Intended Users: Building Construction or Civil Engineering
 Surface Quality according to EN 10163-2 Class B - Type L
 Mill Test Certificate according to EN 10204-3
 Ultrasonic testing according to EN 10160 Class 11E1.

FAF - Produtos Siderurgicos, S.A.
 Departamento de Qualidade



ONIRAM, LDA
 DEP. QUALIDADE
 RECEPCÃO

QUALITY ASSURANCE

SUPERVISOR

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