



GERDAU ACOMINAS S.A.
 ROD MG 443 KM 7 SN FAZENDA DO CADETE
 OURO BRANCO MG
 36420-000 BRAZIL

MILL TEST / QUALITY CERTIFICATE

CUSTOMER FAF PRODUTOS SIDERURGICOS S A	CUSTOMER ORDER FAF 06-07-2017	SALES ORDER 5354763-000004	PAGE 1 / 1
PRODUCT Plate	EDGE TYPE Cut edge	DIMENSIONS 8 000mm x 3000mm x 12000mm	DATE 01.20.2018
SPECIFICATION EN 10025-2:2004 - S275JR+AR	DELIVERY CONDITION As rolled	DOCUMENT NUMBER 0000285E18	

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 transcribed or reproduced without the written authorization of Gerdau S.A.

PACKAGES

PLATE #	WEIGHT (MT)	HEAT	SAMPLE
3706194401	2.260	28094391	28094391008
3706194402	2.260	28094391	28094391008

PLATE #	WEIGHT (MT)	HEAT	SAMPLE
3706194403	2.260	28094391	28094391008
3706194601	2.260	28094391	28094391008

PLATE #	WEIGHT (MT)	HEAT	SAMPLE
3706194002	2.260	28094391	28094391008
3706194603	2.260	28094391	28094391008

CHEMICAL COMPOSITION

HEAT	C(%)	Mn(%)	Si(%)	P(%)	S(%)
28094391	0.15	0.91	0.20	0.016	0.008
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AL T(%)	Cr(%)	Cu(%)	Ti(%)	Mo(%)	Nb(%)	Ni(%)	V(%)	B(%)	Ca(%)	M(%)
0.027	0.01	0.01	0.001	0.00	0.001	0.01	0.003	0.0003	0.0000	0.0013

TENSILE TEST

SAMPLE	DIRECTION	POSITION	YS/RE(MPa)	TS/RT(MPa)	YS/TS	ELONG/ALARG(%)
28094391008	Transversal	1/4 Width / Ancho	299	444	0.67	37.0

TENSILE TEST

GAUGE LENGTH/LONGITUD DE REFERENCIA:
 L0: 5,65 x (SD²)

ABBREVIATIONS

YS/RE	Yield Point	TS/RT	Tensile Strength	YS/TS	Elastic Ratio	ELONG/ALARG	Elongation
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ONIRAM, LDA
 DEP. QUALIDADE
 RECEPÇÃO

DATA
 20/06/18

SUBSCRICIONADO
 Rub

REMARKS

CEQ2 = C+Mn/5+(Cr+Mo+V)/5+(Ni+Cu)/15
 Product Type: Hot Rolled Structural Steel Products
 EC Certificate of Conformity N°0038/CPR/20060008/A
 Declaration of Performance, N° G003716
 Harmonised Standard: EN 10025-1:2004
 Essential Characteristics: Tensile / Yield Strengths and Weldability
 S275JR, Durability, regulated substance - No Performance Determined
 Intended Uses: Building Construction or Civil Engineering
 Tolerance on Dimensions acc. to EN 10029 Tab 1 Cl B, Tab 3, Tab 4 Cl N - Type L
 Surface Quality according to EN 10163-2 Class B - Subclass 3
 Ultrasonic testing according to EN 10160 Class S1E1
 Mill Test Certificate according to EN 10204-3.1
 All inspection sources are verified and controlled.
 All scrap used at Gerdau Ouro Branco is internally generated
 We certify that this material is free of contamination by radiation

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



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QUALITY ASSURANCE

SURVEYOR

KENJI CAMEY
 CREA 43236