

CSN EXPORT CO.

Certificate n°
006732

Packing List and Conformity Certificate

Customer
CCC STEEL GMBH + CO. KG
Address
PALMATELLE 67
22767 HAMBURG

Shipping Port SEPETIBA, BRAZIL
Destination Port BROWNSVILLE, USA
Vessel PRABHU DAS

Customer Code 1872
Contract n°
Sale order(s) 1482648/000025
Date 02.04.2004
1 / 3

Shipping mark AS PER B/L
Product Plates in Coils
Special Mark: 12,70 X 1524
Standard date 06.94

Specification
Quality
Edges
Finish Roll
Planing
Oil
Packing
ASTMA36STD
Prime - 01
Mill Edge
Type B2

Slab	C	Mn	P	S	SI	Cu	NI	Cr	Mo	Sn	Al	N	Nb	V	TI	B
J43553	0,1380	0,8700	0,0180	0,0010	0,2520	0,0080	0,0060	0,0180	0,0040	0,0090	0,0260	0,007100	0,0010	0,0030	0,0020	0,0001
F60239	0,1240	0,6940	0,0160	0,0110	0,2050	0,0050	0,0040	0,0120	0,0040	0,0000	0,0460	0,004900	0,0010	0,0020	0,0030	0,0001
F76773	0,1200	0,6930	0,0150	0,0070	0,1870	0,0060	0,0030	0,0190	0,0030	0,0040	0,0300	0,006900	0,0010	0,0030	0,0010	0,0003
E73660	0,1200	0,6930	0,0150	0,0070	0,1870	0,0060	0,0030	0,0190	0,0030	0,0040	0,0300	0,006900	0,0010	0,0030	0,0010	0,0003
E73659	0,1330	0,6880	0,0140	0,0070	0,1900	0,0070	0,0040	0,0200	0,0050	0,0000	0,0330	0,006900	0,0010	0,0040	0,0000	0,0001
E73653	0,1330	0,6890	0,0120	0,0070	0,1940	0,0210	0,0070	0,0290	0,0060	0,0000	0,0450	0,003500	0,0020	0,0040	0,0000	0,0001
E73652	0,1330	0,6820	0,0120	0,0070	0,1940	0,0200	0,0070	0,0290	0,0060	0,0010	0,0420	0,003500	0,0010	0,0040	0,0000	0,0001
F76763	0,1330	0,6820	0,0120	0,0070	0,1940	0,0200	0,0070	0,0290	0,0060	0,0010	0,0420	0,003500	0,0010	0,0040	0,0000	0,0001
F76767	0,1330	0,6890	0,0120	0,0070	0,1940	0,0210	0,0070	0,0290	0,0060	0,0000	0,0450	0,003500	0,0020	0,0040	0,0000	0,0001

Chemical Analysis (%)

ALL CHEMICAL DATA REPORTED HEREON LISTED WAS MANUFACTURED, INSPECTED, TESTED AND ANALYZED IN OUR LABORATORIES IN ACCORDANCE WITH THE REQUIREMENTS OF THE ORDERED SPECIFICATIONS

Made by: Luciano Henrique do Carmo
Quality Assurance Technician

Sign: Romulo Mansur
Technical Manager

CSN EXPORT CO.

Certificate n°
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Packing List and Conformity Certificate

Customer Code 1872	Contract n°	Sale order(s) 1482548/000025	Date 02.04.2004	2 / 3
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Shipping mark
Product
Special Mark:

AS PER B/L
Plates in Colls
12,70 X 1524

Standard date 06.94

Customer
CCC STEEL GMBH + CO. KG
Address
PALMAILLE 67
22767 HAMBURG

Shipping Port SEPTIBA, BRAZIL
Destination Port BROWNSVILLE, USA
Vessel PRABHU DAS

Specification
Quality
Edges
Finish Roll
Planing
OH
Packing

Type B2

Mechanical Properties

Volume	Heat	YP_TR	TS_TR	YP/TS_TR	E1_TR_200 mm
A474530100	3A5748	347 MPa	440 MPa	0,79	22,0 %
A474530200	3C6677	339 MPa	447 MPa	0,76	22,9 %
A496490100	4C1817	320 MPa	451 MPa	0,71	31,1 %
A496490500	4C1816	323 MPa	453 MPa	0,71	30,9 %
A496500600	4C1816	333 MPa	461 MPa	0,72	31,4 %
A496500800	4C1817	322 MPa	452 MPa	0,71	30,8 %

Shipped Product

Volume	Heat	Slab	Thickness	Net Weight	Thickness	Gross Weight	Width	Gross Weight (LB)	Length	Length	Receipt
A474530100	3A5748	J43553	12,700 MM	16,065 MT	0,500 IN	1524,0 MM	60,0 IN	110,0 M	4330,7 IN	438951	
A474530200	3C6677	F60239	12,700 MM	16,071 MT	0,500 IN	1524,0 MM	60,0 IN	111,0 M	4370,1 IN	438940	
A496490100	4C1817	F76773	12,700 MM	16,125 MT	0,500 IN	1524,0 MM	60,0 IN	110,0 M	4330,7 IN	442888	
A496490300	4C1817	E73660	12,700 MM	16,330 MT	0,500 IN	1524,0 MM	60,0 IN	111,0 M	4370,1 IN	443796	
A496490400	4C1817	E73659	12,700 MM	16,315 MT	0,500 IN	1524,0 MM	60,0 IN	110,0 M	4330,7 IN	442818	

WE HEREBY CERTIFY THAT MATERIAL HEREIN LISTED WAS MANUFACTURED, INSPECTED, TESTED AND ANALYSED IN OUR LABORATORIES IN ACCORDANCE WITH THE REQUIREMENTS OF THE ORDERED SPECIFICATIONS

Remarks:

Made by: Luciano Henrique do Carmo
Quality Assurance Technician

Sign: Ronaldo Mansur
Technical Manager

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Customer Code 1872	Contract n°	Sale order(s) 1482648/000025	Date 02.04.2004	3 / 3
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Shipping mark Product Special Mark:	AS PER B/L Plates in Coils 12,70 X 1524	Standard date 06.94
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Specification
Quality
Edges
Finish Roll
Planing
Oil
Packing

Type B2

-----Shipped Product-----

AA96490500	4CI816	E73653	16,200 MT	35.714,916 LB	16,208 MT	35.728,143 LB	110,0 M	4330,7 IN	442818
			12,700 MM	0,500 IN	1524,0 MM	60,0 IN			
AA96490600	4CI816	E73652	16,240 MT	35.803,101 LB	16,246 MT	35.816,328 LB	110,0 M	4330,7 IN	442890
			12,700 MM	0,500 IN	1524,0 MM	60,0 IN			
AA96490700	4CI816	E76763	16,305 MT	35.946,401 LB	16,311 MT	35.959,629 LB	110,0 M	4330,7 IN	443796
			12,700 MM	0,500 IN	1524,0 MM	60,0 IN			
AA96490800	4CI816	E76767	16,300 MT	35.935,378 LB	16,306 MT	35.948,606 LB	110,0 M	4330,7 IN	443800
			12,700 MM	0,500 IN	1524,0 MM	60,0 IN			
			16,210 MT	35.736,962 LB	16,216 MT	35.750,190 LB			

TOTAL: Lotes: 0009 Peso Líquido (MT): 146,090 Peso Bruto (MT): 146,144
 Volumes: 0009 Net Weight (LB): 322.073,582 Gross Weight (LB): 322.192,631

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Made by: Luciano Henrique do Carmo
 Quality Assurance Technician

Sign: Romulo Mansur
 Technical Manager




Remarks: