

CSN EXPORT CO. Certificate n° 006732

Packing List and Conformity Certificate

Customer CCC STEEL GMBH + CO. KG  
 Shipping Port SEPETIBA, BRAZIL  
 Destination Port BROWNSVILLE, USA  
 Vessel PRABHU DAS  
 Address PALMILITE 67  
 22767 HAMBURG

Customer Code 1872	Contract n°	Sale order(s) 1482648/000025	Date 02.04.2004	1 / 3
Shipping mark Product Special Mark:	AS PER B/L Plates in Coils 12,70 X 1524			
Specification Quality Edges Finish Roll Planing Oil Packing	ASTMA36STD Prime - Q1 Mill Edge Type B2	Standard date 06.94		

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

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: Romulo Mansur  
 Technical Manager

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Customer Code 1872 Contract n° 1482648/000025 Sale order(s) 02.04.2004 Date 2 / 3

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

Specification Quality Edges Finish Roll Planing Oil 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 (LB)	Gross Weight (LB)	Width	Gross Weight (LB)	Length	Length	Receipt
A474530100	3A5748	J43553	12,700 MM	0,500 IN	1524,0 MM	60,0 IN	110,0 M	4330,7 IN	438951	
A474530200	3C6677	F60239	12,700 MM	0,500 IN	1524,0 MM	60,0 IN	111,0 M	4370,1 IN	438940	
A496490100	4C1817	F76773	12,700 MM	0,500 IN	1524,0 MM	60,0 IN	110,0 M	4330,7 IN	442888	
A496490300	4C1817	E73660	12,700 MM	0,500 IN	1524,0 MM	60,0 IN	111,0 M	4370,1 IN	443796	
A496490400	4C1817	E73659	12,700 MM	0,500 IN	1524,0 MM	60,0 IN	110,0 M	4330,7 IN	442818	

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 Quality Assurance Technician Technical Manager