

Inspection certificate EN 10 204 - 3.1		A02 Issuing department Quality inspection		A05 Purchaser order no 1605		A07		A08 Our order no 177851-10		A19 Invoice no		A03 Certificate no and date 16509585 2017-04-02	
Purchaser SSAB SWEDISH STEEL COMERCIO DE ACO RUA CELIO JOSE FRANCESCHI, 73 83707-748 CHAPADA-ARAUCARIA Parana Brazil				Product Abrasion resistant steel plate		Marking (Stamping) Steel grade, Manufacturer, MATERIAL ID		B06 Customer marks 8838		B15 B06		B16 B06	
Quantity B08 1		Dimensions [mm] T 76,2 W 1700 L 6000		Weight [kg] 6102		B12 Deliv. Cond. Q		B04 Internal code 21529		B16 Internal code 21529		B02 Standard/rules OX HARDX 450 Steel grade HARDX 450	
Consignee SSAB Swedish Steel Ltda Rua Cello Jose Franceshi 73 - Chapada 83.707-748 ARAUCARIA Brazil				A06 Steel grade HARDX 450		B07 Steel grade HARDX 450		B07 Steel grade HARDX 450		B07 Steel grade HARDX 450		B07 Steel grade HARDX 450	

Chemical composition													
Heat no	C	Si	Mn	P	S	Cr	Ni	Mo	B	EW	C14	C93-C99	
120692	.19	.25	.98	.010	.001	1.19	.69	.349	.001	.71	.402	C71-C92 Carbon equivalent etc CEV (EW) = C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15 C14 = CET = C + (Mn+Mo)/10 + (Cr+Cu)/20 + Ni/40	

Testtype	C04	Millcode	C00	Specimen position	C01	Specimen type	C10	Temp [degr C]	C03	Test results
	Hardness test (HBW)	874555	Top end	Delivery condition	C32	Ave	462			

CORACORTHE COM. FERRO E AÇO LTDA

RASTREABILIDADE	
FORNECEDOR: CORACORTHE	
NF. Nº	
CLIENTE:	
OP. Nº:	

CH15701

	This certificate is produced with EDP and valid without signature		Z02
	Quality Inspection Department/ R Tschemernjack / A Backlund		
It is hereby certified that the material described above complies with the requirements of the order.		Z01	
		A22	
		A04	 www.hardox.com