




A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 54940351 E-mail : info.testing@tatasteel.com	A07.A09 Reference 4500002669 11001464 00030	A02 Inspection certificate 3.1, EN10204. B01.B02.B05.B04.B15	<h1>TATA STEEL</h1>
	A03 Doc. nr 2017130663 00	Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010. 1.00 G/M2/Side oiled. Mill edges.	

A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.13/-0.13 mm).	 Purchase Order: 4500002669 Vendor Batch: 742975	 Purchase Order: 4500002669 Vendor Batch: 742976
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A08 Order nr. 50400 C	All Dispatch note 66896	A10 Transport JOLYN 110014640000140486	110014640000140487
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B09.B10.B11 Dimensions										C10-C29 TENSILE TEST										C40.C60.C65 IMPACT TEST AND OTHER TESTS										
1500 mm X 3.00 mm																														
B07	B15	B08	B07	C01	C01/C02	C10	B05	C05	C11	C11	C11	C12	C15	C15	C16	C17	C18	C32	C01/C02	C10	B05	C41	C40.C60.C65	C05	C44	C42	C42	C42	C45	C95
PROD.-IDENT	MASS kg	NR	CAST NR.				Temp °C	ReH MPa	ReL MPa	Rp MPa	Rm MPa	A %	A %	ReH/Rm %	r-value	n-value					mm		Temp °C		ind.	ind.	ind.	mean	ASTM E-112	
742975	10420	1	H7670	32	1L	P	+ 20	398				480	33.0		83															
742976	10420	1	"																											
742977	10400	1	"																											
TOTAL	31240	3																												

C71-C92 CHEMICAL COMPOSITION in %																				C44				
B07	B07	C71	C72	C75	C74	C75	C76	C77	C78	C79	C80	C81	C82	C85	C84	C85	C86	C87	C88	C89	1: J/cm ²	4: Contraction (Z)		
CAST NR.	PROD.-IDENT	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-ZO	Sn	Ti	C-eql	2: J	5: Shear area (Z)		
H7670		.068	0.486	.012	.006	0.008	0.037	.010	0.017	0.016	.002	.025	.002	.0022	.0000		0.035	.001	.001	.155				
C-eql: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15																					C01 1:1=Top 2:Middle 3=Bottom C02 1=Surface 2=Centre 3=Surface C03 1=Longitudinal 2=Transverse 3=Diagonal dir		C10 P=Prismatical C=Cylindrical	
C70 STEELMAKING PROCESS: B0																				Page 1 of 1				

Z05 Stamp of the expert :	Z02 Tata Steel IJmuiden BV SIMON BRAAM MANAGER TESTING 
Z01 We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions	Z03 IJMUIDEN, 5 DECEMBER 2017