

A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com	A03 Doc nr. 2021075869 00	A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5  21110 NAANTALI FINLAND	A07, A09 Reference 4500043673 11001464 00020	A08 Order nr. 53440 B
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010. 1.00 G/M2/Side oiled. Mill edges. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.13/-0.13 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09,B10,B11 Dimensions 1500 mm X 3.00 mm
		B13 Total Mass KG 60946
		B08 Total NR. 6
		A11 Dispatch Note 43733
		A10 Transport RUYTER

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant'

C50

PROD-IDENT: 861698      MASS KG: 10231      NR: 1      CAST NR: S9904      B07,B08,B13

TENSILE TEST      C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	398	495	34.0	80

PROD-IDENT: 861697      MASS KG: 10011      NR: 1      CAST NR: S9907      B07,B08,B13

TENSILE TEST      C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	402	493	34.0	82

PROD-IDENT: 861696      MASS KG: 10251      NR: 1      CAST NR: S9907      B07,B08,B13

TENSILE TEST      C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	402	493	34.0	82

PROD-IDENT: 861695      MASS KG: 10281      NR: 1      CAST NR: S9907      B07,B08,B13

TENSILE TEST      C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	402	493	34.0	82

PROD-IDENT: 861589      MASS KG: 10311      NR: 1      CAST NR: S9903      B07,B08,B13

TENSILE TEST      C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	401	485	34.0	83


We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions.

Tata Steel IJmuiden BV

Jeffrey Flemming  
Manager Mechanical Testing



IJmuiden, 2 July 2021

<b>A01</b> Tata Steel IJmuiden BV  Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110  Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com	<b>A03 Doc nr.</b> 2021075869 00		<b>A04</b>  
	<b>A02</b> Inspection certificate 3.1, EN10204.		
	<b>A07, A09 Reference</b> 4500043673 11001464  00020	<b>A08 Order nr.</b> 53440 B	

<b>PROD-IDENT:</b> 861337	<b>MASS KG:</b> 9861	<b>NR:</b> 1	<b>CAST NR:</b> S9901	<b>B07, B08, B13</b>
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<b>TENSILE TEST</b>								<b>C10-29</b>
<b>C01</b>	<b>C01/C02</b>	<b>C10</b>	<b>C03</b>	<b>C11</b>	<b>C12</b>	<b>C13</b>	<b>C16</b>	
			<b>Temp (°C)</b>	<b>ReH (MPa)</b>	<b>Rm (MPa)</b>	<b>A (%)</b>	<b>ReH/Rm (%)</b>	
Bottom Middle	Surface Longitudinal	Prismatical	+20	390	482	34.5	81	

<b>CHEMICAL COMPOSITION in %</b>											
<b>B07 CAST NR.</b>	<b>C71 C</b>	<b>C72 Mn</b>	<b>C73 P</b>	<b>C74 S</b>	<b>C75 Si</b>	<b>C76 Al</b>	<b>C77 Cu</b>	<b>C78 Cr</b>	<b>C79 Ni</b>	<b>C80 Mo</b>	<b>C81 Nb</b>
S9904	0.074	0.512	0.018	0.006	0.010	0.032	0.024	0.039	0.032	0.005	0.025
S9907	0.075	0.512	0.020	0.006	0.008	0.033	0.030	0.038	0.030	0.004	0.025
S9903	0.065	0.499	0.012	0.006	0.009	0.032	0.038	0.033	0.032	0.004	0.026
S9901	0.070	0.514	0.013	0.006	0.012	0.025	0.031	0.034	0.034	0.004	0.022
<b>CAST NR.</b>	<b>C82 V</b>	<b>C83 N</b>	<b>C84 B</b>	<b>C85 Ti</b>	<b>C86 Sn</b>	<b>C87 Al_ZO</b>	<b>C88 C-eq1</b>				
S9904	0.005	.0032	.0000	0.001	0.002	0.031	.173				
S9907	0.003	.0029	.0000	0.001	0.001	0.030	.173				
S9903	0.002	.0038	.0000	0.001	0.002	0.031	.161				
S9901	0.003	.0029	.0000	0.001	0.002	0.024	.168				
C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15											

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