

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. 2022055817 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 4500060468 11001475  00010	A08 Order nr. 54887 A	C70 STEEL MAKING PROCESS: BO  B09,B10,B11 Dimensions 1500 mm X 5 mm  B13 Total Mass KG 85043 B08 Total NR. 8  All Dispatch Note 57424 A10 Transport ANDREA
	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 +0.15/-0.15 mm). Country of Melt and Pour : Netherlands		

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 746507      MASS KG: 10041      NR: 1      CAST NR: Z6870      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	391	474	34.0	82

PROD-IDENT: 745822B      MASS KG: 9041      NR: 1      CAST NR: Z6766      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	389	478	33.0	81

PROD-IDENT: 745822A      MASS KG: 9061      NR: 1      CAST NR: Z6766      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	389	478	33.0	81

PROD-IDENT: 745820      MASS KG: 10401      NR: 1      CAST NR: Z6766      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	389	478	33.0	81

PROD-IDENT: 745815      MASS KG: 11300      NR: 1      CAST NR: Z6771      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	388	472	35.0	82


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

Tata Steel IJmuiden BV

Jeffrey Flemming  
General Manager

IJmuiden, 3 June 2022

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	A07, A09 Reference 4500060468 11001475 00010	A08 Order nr. 54887 A	

PROD-IDENT: 745814      MASS KG: 11620      NR: 1      CAST NR: Z6771      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	388	472	35.0	82

PROD-IDENT: 745813      MASS KG: 11600      NR: 1      CAST NR: Z6771      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	389	472	33.0	82

PROD-IDENT: 745812      MASS KG: 11979      NR: 1      CAST NR: Z6771      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	389	472	33.0	82

CHEMICAL COMPOSITION in %

C07 CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb
Z6870	0.076	0.499	0.013	0.006	0.009	0.036	0.008	0.019	0.017	0.002	0.026
Z6766	0.072	0.495	0.016	0.007	0.011	0.039	0.009	0.019	0.018	0.002	0.025
Z6771	0.075	0.504	0.016	0.007	0.009	0.038	0.008	0.029	0.017	0.001	0.026
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
Z6870	0.002	.0030	.0000	0.001	0.002	0.035	.165				
Z6766	0.002	.0025	.0000	0.001	0.002	0.037	.161				
Z6771	0.002	.0028	.0000	0.001	0.001	0.036	.167				

C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

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Tata Steel IJmuiden BV

Jeffrey Flemming  
General Manager



IJmuiden, 3 June 2022