

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. 2021075862 00		A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500043102 11001464 00020	A08 Order nr. 52907 B	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	R01, 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 85645	B08 Total NR. 7	
	A11 Dispatch Note 43733	A10 Transport RUYTER	

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

C50

PROD-IDENT: 860708		MASS KG: 13788	NR: 1	CAST NR: S9908		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	392	483	34.5	81

PROD-IDENT: 860707		MASS KG: 13858	NR: 1	CAST NR: S9908		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	392	483	34.5	81

PROD-IDENT: 860706		MASS KG: 10141	NR: 1	CAST NR: S9903		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	392	481	34.5	81

PROD-IDENT: 860705		MASS KG: 10261	NR: 1	CAST NR: S9903		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	392	481	34.5	81

PROD-IDENT: 860704		MASS KG: 10291	NR: 1	CAST NR: S9903		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	392	481	34.5	81

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

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PROD-IDENT: 860683A MASS KG: 13518 NR: 1 CAST NR: S9908 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	400	490	33.0	82

PROD-IDENT: 860682 MASS KG: 13788 NR: 1 CAST NR: S9908 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	400	490	33.0	82

CHEMICAL COMPOSITION in %


B07	CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb
	S9908	0.074	0.498	0.012	0.005	0.008	0.032	0.024	0.036	0.030	0.005	0.026
	S9903	0.065	0.499	0.012	0.006	0.009	0.032	0.038	0.033	0.032	0.004	0.026
	CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
	S9908	0.002	0.0025	0.0000	0.001	0.002	0.030	0.169				
	S9903	0.002	0.0038	0.0000	0.001	0.002	0.031	0.161				

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

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Manager Mechanical Testing



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