

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. 2021081261 00		A04 TATA STEEL	
	A02 Inspection certificate 3.1, EN10204.			
	A07, A09 Reference 4500044777 11001475 00010	A08 Order nr. 54615 A		
	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			
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	C70 STEEL MAKING PROCESS: BO B09,B10,B11 Dimensions 1500 mm X 5 mm		B13 Total Mass KG 65073	B08 Total NR. 6
	A11 Dispatch Note 47494		A10 Transport EGON W	

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

C50

PROD-IDENT: 863993	MASS KG: 14068	NR: 1	CAST NR: S8328	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	399	477	31.5	84

PROD-IDENT: 863595	MASS KG: 10011	NR: 1	CAST NR: S8329	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	411	485	30.0	85

PROD-IDENT: 863594	MASS KG: 10401	NR: 1	CAST NR: S8329	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	411	485	30.0	85

PROD-IDENT: 863593	MASS KG: 10401	NR: 1	CAST NR: S8329	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	411	485	30.0	85

PROD-IDENT: 861687	MASS KG: 9911	NR: 1	CAST NR: S9907	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	398	479	31.0	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, 16 July 2021

Jeffrey Flemming

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PROD-IDENT: 861686 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	398	479	31.0	83	

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	
S8328	0.069	0.508	0.013	0.006	0.007	0.031	0.035	0.040	0.035	0.006	0.025	
S8329	0.074	0.499	0.013	0.006	0.013	0.034	0.034	0.041	0.036	0.006	0.028	
S9907	0.075	0.512	0.020	0.006	0.008	0.033	0.030	0.038	0.030	0.004	0.025	
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql					
S8328	0.002	.0028	.0000	0.001	0.002	0.030	.168					
S8329	0.003	.0033	.0000	0.001	0.002	0.033	.172					
S9907	0.003	.0029	.0000	0.001	0.001	0.030	.173					

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

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