

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@tatasteel.eu	A03 Doc nr. 2021050280 00	A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	A07, A09 Reference 4500033431 11001477 00040	A08 Order nr. 56442 D
	B01, B02, B03, B04, B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG s:01-2010, 1,00 G/M2/Side oiled, Mill edges, Impact test: Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.16/-0.16 mm). Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09, B10, B11 Dimensions 1500 mm X 6 mm
		B13 Total Mass KG 30800
		B08 Total NR. 2
		A11 Dispatch Note 23226
		A10 Transport ROBIJN

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

PROD-IDENT: 6069702 MASS KG: 15440 NR: 1 CAST NR: R8302 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	417	496	31.0	84

IMPACT TEST AND OTHER TESTS C40, C50, C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40, C60, C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	114	116	132	121

PROD-IDENT: 6069692 MASS KG: 15360 NR: 1 CAST NR: R8298 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	415	498	30.5	83

IMPACT TEST AND OTHER TESTS C40, C60, C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40, C60, C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	106	119	116	114

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
	R8302		0.075		1.017		0.012		0.005		0.009		0.029		0.006		0.021		0.022		0.002		0.022
	R8298		0.071		1.002		0.012		0.005		0.009		0.028		0.008		0.022		0.022		0.002		0.023
	CAST NR.	C82	V	C83	N	C84	B	C85	Ti	C86	Sn	C87	Al_ZO	C88	C-eq1								
	R8302		0.003		.0026		.0000		0.001		0.001		0.028		.252								
	R8298		0.003		.0034		.0000		0.001		0.001		0.026		.245								

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

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, 1 May 2021

Jeffrey Flemming

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