

A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com	A03 Doc nr. 2023091260 00		A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 5500001424 NAANTALI 11014191 4500035592/00010	A08 Order nr. 57898 A	
	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. Suitable for: Part galvanising, Cutting into sheet. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.19/-0.19 mm) . PRODUCE AND TEST ACCORDING TO EN 10149-2		
A06 Customer/Consignee SERVICE CENTRE MAASTRICHT B.V. B.U. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND	C70 STEEL MAKING PROCESS: BO		
	B09,B10,B11 Dimensions 1500 mm X 10.00 mm		
	B13 Total Mass KG 120860	B08 Total NR. 4	
	A11 Dispatch Note 19445	A10 Transport VERONIEKE	

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant'	C50
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PROD-IDENT: 601742		MASS KG: 30680		NR: 1		CAST NR: K5666		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	403	493	30.0	82						
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	O	7.5	ISO-V	J	170	148	156	158		

PROD-IDENT: 601739		MASS KG: 31040		NR: 1		CAST NR: K5670		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	404	497	29.0	81						
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	O	7.5	ISO-V	J	172	172	164	169		

PROD-IDENT: 601689		MASS KG: 30760		NR: 1		CAST NR: K5668		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	395	486	29.5	81						
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	O	10.0	ISO-V	J	178	174	176	176		

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, 12 October 2023	
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PROD-IDENT: 601688	MASS KG: 28380	NR: 1	CAST NR: K5673	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	413	502	28.0	82				

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	O	7.5	ISO-V	J	189	188	189	189

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	
K5666	0.072	1.005	0.010	0.004	0.016	0.052	0.013	0.025	0.027	0.004	0.025	
K5670	0.074	0.991	0.007	0.004	0.021	0.045	0.015	0.022	0.027	0.004	0.025	
K5668	0.071	1.023	0.009	0.004	0.015	0.037	0.014	0.024	0.026	0.003	0.024	
K5673	0.069	1.011	0.012	0.004	0.014	0.034	0.016	0.025	0.028	0.006	0.026	
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1	B99 Country of Melt and Pour				
K5666	0.002	.0041	.0000	0.001	0.003	0.050	.248	Netherlands				
K5670	0.002	.0030	.0001	0.002	0.004	0.043	.248	Netherlands				
K5668	0.003	.0044	.0000	0.001	0.003	0.035	.250	Netherlands				
K5673	0.002	.0040	.0000	0.001	0.004	0.033	.247	Netherlands				

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, 12 October 2023	
	
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