

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.com	A03 Doc nr. 2021036612 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500040232 11001464 00020	A08 Order nr. 51059 B	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5  21110 NAANTALI FINLAND	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 +0.13/-0.13 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of Melt and Pour : Netherlands		C70 <b>STEEL MAKING PROCESS: BO</b>
	B09,B10,B11 Dimensions 1500 mm X 3.00 mm		
	B13 Total Mass KG 59637	B08 Total NR. 5	
	All Dispatch Note 12604	A10 Transport EMMA	

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

PROD-IDENT: 834216      MASS KG: 10171      NR: 1      CAST NR: S3877      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	395	488	34.0	81

PROD-IDENT: 834215      MASS KG: 10171      NR: 1      CAST NR: S3877      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	395	488	34.0	81

PROD-IDENT: 834213      MASS KG: 14587      NR: 1      CAST NR: S3876      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	393	489	33.0	80

PROD-IDENT: 834211      MASS KG: 14547      NR: 1      CAST NR: S3876      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	393	489	33.0	80

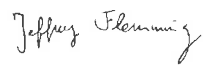
PROD-IDENT: 834209      MASS KG: 10161      NR: 1      CAST NR: S3450      B07,B08,B13

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	390	479	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, 27 March 2021



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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
	S3877	0.067	0.504	0.011	0.005	0.010	0.029	0.009	0.018	0.021	0.001	0.025
	S3876	0.074	0.502	0.011	0.006	0.008	0.033	0.014	0.026	0.023	0.003	0.025
	S3450	0.066	0.504	0.012	0.006	0.007	0.032	0.007	0.019	0.020	0.001	0.026
	CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
	S3877	0.002	.0033	.0000	0.001	0.001	0.027	.157				
	S3876	0.003	.0019	.0000	0.001	0.002	0.032	.167				
	S3450	0.002	.0027	.0000	0.001	0.001	0.031	.156				

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

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