

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. 2023110047 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5  21110 NAANTALI FINLAND	A07, A09 Reference 4500099473 11019045	A08 Order nr. 54929 A	
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S-01-2010, 1,00 G/MZ/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).		C70 STEEL MAKING PROCESS: BO
			B09,B10,B11 Dimensions 1500 mm X 6.00 mm
		B13 Total Mass KG 45760	B08 Total NR. 4
		All Dispatch Note 34032	A10 Transport MILA

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

C50

PROD-IDENT: 6022522 MASS KG: 11620 NR: 1 CAST NR: L0070 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	430	502	30.5	86

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	94	91	95	93

PROD-IDENT: 6022521 MASS KG: 11260 NR: 1 CAST NR: L0070 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	430	502	30.5	86

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	94	91	95	93

PROD-IDENT: 6022512 MASS KG: 11640 NR: 1 CAST NR: L0064 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	424	499	29.0	85

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	105	100	100	102

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

*Jeffrey Flemming*

IJmuiden, 16 December 2023

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	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500099473 11019045 00010	A08 Order nr. 54929 A	

PROD-IDENT: 6022511      MASS KG: 11240      NR: 1      CAST NR: L0064      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	424	499	29.0	85

**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	105	100	100	102

**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
L0070	0.067	1.008	0.012	0.006	0.006	0.032	0.008	0.023	0.019	0.002	0.023
L0064	0.075	1.021	0.017	0.007	0.007	0.033	0.008	0.024	0.019	0.002	0.025

CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1	B99 Country of Melt and Pour
L0070	0.003	.0032	.0000	0.001	0.002	0.030	.242	Netherlands
L0064	0.003	.0030	.0000	0.001	0.001	0.031	.253	Netherlands

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

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Jeffrey Flemming  
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IJmuiden, 16 December 2023

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