A01
Tata Steel IJmuiden BV
Wenckebachstraat 1
1951 JZ Velsen Noord
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1970 CA IJmuiden The Netherlands
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Company Trade Register 34040331
E-mail: info.testing@tatasteeleurope.com

A07.A09 Reference
4500031343 LASERKESKUS
11001477 00040

A02
Inspection certificate 3.1, EN10204.

A05 Doc. nr
2021000198 00

B01.B02.B05.B06.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).
PRODUCE AND TEST ACCORDING TO EN 10149-2
Country of melt and pour : The Netherlands.

TATA STEEL

Z04

A06 Customer/Consignee
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5

21110 NAANTALI

FINLAND

A08 Order nr.
54100 D

A11 Dispatch note
65834

A10 Transport
OSTBORG

B09.B10.B11 Dimensions
1500 mm X 6 mm

C10-C29 TENSILE TEST

HARD-NESS

C40.C60.C65 IMPACT TEST AND OTHER TESTS

B07 PROD.-IDENT	B13 MASS kg	B08 NR	B07 CAST NR.		C01	C01/C02	C10	B05	C03 Temp °C	C11 R_{eH} MPa	C11 R_{eL} MPa	C11 $R_{p0.2}$ MPa	C12 R_m MPa	C15 A %	C15 A %	C16 R_{eH}/R_m %	C17 r-value	C18 n-value	C52	C01/C02	C10	B05	C41 mm	C40.C60.C65	C03 Temp °C	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean	C95 ASTM E-112
806557	14867	1	R8302		32	1L	P		+ 20	411			491	30.0		84				1L	P	0	5.0	ISO-V	- 20	2	100	104	95	100	
806558	14477	1	**																											
TOTAL	29344	2																												

C71-C92 CHEMICAL COMPOSITION in %

B07 CAST NR.	B07 PROD.-IDENT	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb	C82 V	C85 N	C84 B	C85 C-eq	C86 Al-ZO	C87 Sn	C88 Ti	C89 C-eq1
R8302		.075	1.017	.012	.005	0.009	0.029	.006	0.021	0.022	.002	.022	.003	.0026	.0000		0.028	.001	.001	.252

C44 1: J/cm² 2: J 3: Later. exp. (mm) 4: Contraction (%) 5: Shear area (%)

C01 1:1=Top 2:1=Edge 2=Middle 2=Middle 3=Bottom

C01 C02 L=Longitudinal 1=Surface T=Transverse 2=Centre Z=in Thickn dir 3=¼ Surface D=in Diagonal dir

C10 P=prismatical C=cylindrical

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

C70 STEELMAKING PROCESS: BO

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

Z05

B06

A04

Z01 We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions

Z03 Stamp of the expert :

Z02
Tata Steel IJmuiden BV

JEFFREY FLEMMING
MGR. MECH. TESTING

IJMUIDEN, 2 JANUARI 2021