A01
Tata Steel IJmuiden BV
Wenckebachstraat 1
1951 JZ Velsen Noord
Postbus 10000
1970 CA IJmuiden The Netherlands
Telephone: 0251-492110

Company Trade Register 34040351
E-mail: info.testing@tatasteeleurope.com

A07.A09 Reference
4500029784 STERA
11001475 00010

A02
Inspection certificate 3.1, EN10204.

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 +0.15/-0.15 mm).
PRODUCE AND TEST ACCORDING TO EN 10149-2

TATA STEEL

A05 Doc. nr
2020085036 00

Z04

A06 Customer/Consignee
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5

21110 NAANTALI

FINLAND

A08 Order nr.
52923 A

A11 Dispatch note
38026

A10 Transport
EGON W

B09.B10.B11 Dimensions
1500 mm X 5 mm

C10-C29 TENSILE TEST | HARD-NESS | C40.C60.C65 IMPACT TEST AND OTHER TESTS

B07 PROD.-IDENT	B15 MASS kg	B08 NR	B07 CAST NR.		C01	C01/C02	C10	B05	C05 Temp °C	C11 R_{eH} MPa	C11 R_{eL} MPa	C11 $R_{p0.2}$ MPa	C12 R_m MPa	C13 A %	C15 A %	C16 R_{eH}/R_m %	C17 r-value	C18 n-value	C52	C01/C02	C10	B05	C41 mm	C40.C60.C65	C05 Temp °C	C44	C42 ind.	C42 ind.	C42 ind.	C45 mean	C95 ASTM E-112
784061	10431	1	R0519		32	1L	P		+ 20	410			488	34.0		84														
784062	10421	1	"																											
784063	10201	1	"																											
784064	10481	1	R0520		32	1L	P		+ 20	378			463	35.0		82														
784065	10491	1	"																											
784066A	8891	1	"																											
TOTAL	60916	6																												

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-eql
R0519		.066	0.511	.010	.006	0.014	0.028	.021	0.029	0.027	.005	.027	.003	.0026	.0000		0.027	.006	.002	.162
R0520		.068	0.503	.013	.008	0.009	0.034	.016	0.029	0.023	.004	.023	.003	.0031	.0000		0.033	.006	.001	.162

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

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

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

C10 P=prismatical C=cylindrical

C-eql: 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 Stamp of the expert :

Z05 | B06 | A04

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

Z02
Tata Steel IJmuiden BV

JEFFREY FLEMMING
MGR. MECH. TESTING

IJMUIDEN, 24 SEPTEMBER 2020