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
4500019883 SEVERAL
HT LASER 00040

A02
Inspection certificate 3.1, EN10204.

B01.B02.B05.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 +0.16/-0.16 mm).

TATA STEEL

A03 Doc. nr
2020009552 00

Z04

A06 Customer/Consignee
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5

21110 NAANTALI

FINLAND

A08 Order nr.
54687 D

A11 Dispatch note
55005

A10 Transport
MARIETJE HESTER

B09.B10.B11 Dimensions
1500 mm X 6.00 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	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
6026351	14840	1	N9941		32	1L	P		+ 20	388			468	29.0		83														
6026352	14620	1	"																											
6026331	14640	1	"		32	1L	P		+ 20	399			474	30.0		84														
6026361	14640	1	"		32	1L	P		+ 20	406			477	30.5		85														
6026321	14640	1	N9943		32	1L	P		+ 20	409			485	29.5		84														
6026341	14840	1	"		32	1L	P		+ 20	414			489	30.5		85														
6026342	14560	1	"																											
TOTAL	102780	7																												

C71-C92 CHEMICAL COMPOSITION in %

B07 CAST NR.	B07 PROD.-IDENT	C71 C	C72 Mn	C75 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb	C82 V	C83 N	C84 B	C85 C-eq	C86 Al-ZO	C87 Sn	C88 Ti	C89 C-eql
N9941		.071	0.509	.012	.006	0.013	0.033	.011	0.018	0.016	.002	.026	.003	.0030	.0000		0.029	.002	.002	.162
N9943		.071	0.501	.013	.004	0.017	0.030	.028	0.037	0.027	.004	.027	.002	.0027	.0000		0.029	.004	.002	.167

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 T=Transverse Z=in Thickn dir D=in Diagonal dir 1=Surface 2=Centre S=¼ Surface

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 :

Z02
Tata Steel IJmuiden BV

ANDRE GILLEBAART
GM PRODUCTANALYSIS

IJMUIDEN, 25 JANUARI 2020

Z05

B06

A04

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