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@tatasteeleurope.com

A07.A09 Reference
4500020775 STEELCOMP
11001464 STEELCOMP 00010

A05 Doc. nr
2020017554 00

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 +0.13/-0.13 mm).

TATA STEEL

Z04

A06 Customer/Consignee
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5

21110 NAANTALI

FINLAND

A08 Order nr.
55328 A

A11 Dispatch note
61518

A10 Transport
ANKIE

B09.B10.B11 Dimensions
1500 mm X 3.00 mm

C10-C29 TENSILE TEST / HARDNESS / 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	C15 A %	C15 A %	C16 R_{eH}/R_m %	C17 r-value	C18 n-value	C32	C01/C02	C10	B05	C41 mm	C40.C60.C65	C05 Temp °C	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean	C95 ASTM E-112
6029691	14300	1	N9639		32	1L	P		+ 20	427			489	33.0		87															
6029692	14040	1	"																												
6029021	12940	1	P0334		32	1L	P		+ 20	432			497	34.5		87															
6029022	12820	1	"																												
6029031	13360	1	"		32	1L	P		+ 20	417			492	34.0		85															
6029032	13200	1	"																												
TOTAL	80660	6																													

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
N9639		.065	0.500	.013	.006	0.014	0.036	.031	0.031	0.027	.004	.027	.002	.0030	.0000		0.035	.004	.001	.160
P0334		.071	0.499	.010	.008	0.019	0.036	.022	0.037	0.028	.004	.026	.003	.0028	.0000		0.035	.003	.002	.166

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

C70 STEELMAKING PROCESS: BO

Page 1 of 1

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

ANDRE GILLEBAART
GM PRODUCTANALYSIS

IJMUIDEN, 15 FEBRUARI 2020

01W0675E 01W49TTS