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

Company Trade Register 34040531
E-mail : info.testing@tatasteel.com

A07.A09 Reference
4500002787
11001464 00030

A02
Inspection certificate 3.1, EN10204.

B01.B02.B05.B06.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

A05 Doc. nr
2018000445 00

A06 Customer/Consignee
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5

21110 NAANTALI

FINLAND

Z04

Purchase Order: 4500002787
Vendor Batch: 752101
11001464000014430 5

Purchase Order: 4500002787
Vendor Batch: 752099
11001464000014430 3

A08 Order nr.
51068 C

A11 Dispatch note
74430

A10 Transport
HATHOR

B09.B10.B11 Dimensions
1500 mm X 3.00 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	C05 Temp °C	C11 R_{eH} MPa	C11 R_{eL} MPa	C11 R_p 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	C05 Temp °C	C44	C42 ind.	C42 ind.	C42 ind.	C45 mean	C95 ASTM E-112
752099	10490	1	H9432		32	1L	P		+ 20	405			477	33.0		85														
752100	10450	1	"																											
752101	10330	1	"																											
TOTAL	31270	3																												

Purchase Order: 4500002787
Vendor Batch: 752100
11001464000014430 4

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	C85 N	C84 B	C85 C-eq	C86 Al-ZO	C87 Sn	C88 Ti	C89 C-eql
H9432		.067	0.496	.010	.007	0.007	0.040	.008	0.015	0.017	.001	.027	.002	.0019	.0000		0.039	.002	.001	.155

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 T=Transverse Z=in Thickn dir S=Surface 0=In Diagonal dir

C10 P=prismatical C=cylindrical

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

C70 STEELMAKING PROCESS: BO

Z05 Stamp of the expert :

Z02
Tata Steel IJmuiden BV

SIMON BRAAM
MANAGER TESTING

IJMUIDEN, 3 JANUARI 2018

Z05 B06 A04

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