45401

A01
Tata Steel IJmuiden BV
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Company Trade Register 34040531
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A07.A09 Reference
19030
PLC104 19030 - 009 GC-03-10

A05 Doc. nr
2020029776 00

A02
Test report 2.2, EN 10204.

B01.B02.B03.B04.B15

Hot rolled dry, Coil, SS GRADE 36 TYPE2,LIMIT A, ASTM A 1018:07.
Mill edges.

Tolerance ASTM A 635 HR (Thickness tolerance +0.01/-0.01 inch, Width tolerance +1.25/-0 inch).
COUNTRY OF ORIGIN: THE NETHERLANDS.
EXPORTED BY TATA STEEL IJMUIDEN BV, LOCATED IN THE NETHERLANDS.
THE VALUE OF THE GOODS IS NOT INCLUDED IN THIS DOCUMENT, DUE TO A CONFIDENTIALITY AGREEMENT BETWEEN THE SELLER AND THE BUYER

TATA STEEL

Z04

A06 Customer/Consignee

B8 Order nr.
56448 M

A11 Dispatch note
69006

A10 Transport
PACIFIC ACHIEVEMENT

B9.B10.B11 Dimensions
48.000 " X 0.3750 "

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

B7 PROD.-IDENT	B13 MASS kg	B08 NR	B07 CAST NR.		C01	C01/C02	C10	B05	C05 Temp °C	C11 R_{eH} psi	C11 R_{eL} psi	C11 $R_{p0.2}$ psi	C12 R_m psi	C15 A_{50} %	C15 A %	C16 R_p/R_m %	C17 r-value	C18 n-value	C52	C01/C02	C10	B05	C41 mm	C60.C65.C65	C05 Temp °C	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean	C95 ASTM E-112
1548095	19480	1	P4797		32	1T	P		+ 20			44961	66717	34.0		67														
1552102	19460	1	P4800		32	1T	P		+ 20			46702	67442	32.0		69	#61802													
1552108	19540	1	"																											
1552107	19460	1	"		32	1T	P		+ 20			47137	68167	32.0		69														
1554160	19460	1	"																											
1557104	18880	1	P4806		32	1T	P		+ 20			48877	68747	32.5		71														
TOTAL	116280	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	C85 N	C86 B	C85 C-eq	C86 Al-ZO	C87 Sn	C88 Ti	C89 C-eql
P4797		.144	0.903	.019	.008	0.011	0.035	.027	0.038	0.028	.005	.008	.002	.0053	.0000		0.033	.003	.001	.307
P4800		.143	0.901	.015	.009	0.012	0.040	.030	0.040	0.029	.004	.009	.002	.0052	.0000		0.039	.003	.001	.306
P4806		.147	0.851	.017	.008	0.013	0.040	.024	0.041	0.027	.005	.008	.003	.0066	.0000		0.038	.002	.001	.309

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

Z03
Stamp of the expert :

Z02
Tata Steel IJmuiden BV

ANDRE GILLEBAART
GM PRODUCTANALYSIS

IJMUIDEN, 17 MAART 2020

B5 B06 A04

B01 We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions

IWU675E 01W49TTS