A01
Tata Steel IJmuiden BV
Wenckebachstraat 1
1951 JZ Velsen Noord
Postbus 10000
1970 CA IJmuiden The Netherlands
Telephone: 0251-492118

Company Trade Register 34048351
E-mail: info.testing@tatasteeleurope.com

A07.A09 Reference
5500000115 GRIMME LANDMASCHINENFABRIK GMBH
11004644 5500000115

A02
Inspection certificate 3.1, EN10204.

B01.B02.B05.B04.B15

TATA STEEL

A05 Doc. nr
2020049845 00

Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.
1.00 G/M2/Side oiled.
Mill edges.
Impact test.
Suitable for: Part galvanising, Cutting into sheet.

Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.19/-0.19 mm).
PRODUCE AND TEST ACCORDING TO EN 10149-2

Z04

A06 Customer/Consignee
SERVICE CENTER MAASTRICHT B.V.
B.U. FEIJEN
POSTBUS 10.000

1970 CA IJMUIDEN

NOORDHOLLAND

A08 Order nr.
57699 A

A11 Dispatch note
87402

A10 Transport
CONFIANT

B09.B10.B11 Dimensions
1500 mm X 10.00 mm

C10-C29 TENSILE TEST

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
604741	31820	1	P7508		32	1L	P		+ 20	390			478	28.5		82		
604743	31780	1	"		32	1L	P		+ 20	393			487	27.0		81		
604744	31740	1	"		32	1L	P		+ 20	391			482	29.0		81		
604742	31760	1	P7510		32	1L	P		+ 20	392			494	30.0		79		
604745	31760	1	P7515		32	1L	P		+ 20	383			489	29.0		78		
604884	31840	1	P7958		32	1L	P		+ 20	386			489	29.5		79		
TOTAL	190700	6																

HARD-NESS C52

C40.C60.C65 IMPACT TEST AND OTHER TESTS

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
1L	P	0	7.5	ISO-V	- 20	2	222	189	215	209	
1L	P	0	7.5	ISO-V	- 20	2	155	233	222	203	
1L	P	0	7.5	ISO-V	- 20	2	208	199	209	205	
1L	P	0	7.5	ISO-V	- 20	2	173	173	204	183	
1L	P	0	7.5	ISO-V	- 20	2	203	177	209	196	
1L	P	0	7.6	ISO-V	- 20	2	191	218	229	213	

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
P7508		.070	0.983	.011	.006	0.012	0.033	.028	0.023	0.023	.004	.025	.002	.0040	.0000		0.031	.002	.001	.243
P7510		.085	0.984	.013	.005	0.010	0.029	.026	0.032	0.023	.004	.024	.003	.0038	.0000		0.028	.003	.001	.260
P7515		.071	0.991	.015	.006	0.011	0.031	.029	0.036	0.025	.004	.024	.002	.0038	.0000		0.030	.003	.001	.248
P7958		.075	1.017	.017	.006	0.010	0.032	.025	0.025	0.023	.004	.023	.003	.0040	.0000		0.030	.003	.001	.254

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

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

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, 28 MEI 2020

Z05

B06 A04

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