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

Company Trade Register 34040551
E: info.testing@tatasteeleurope.com

A07 Reference
4500015326
11000378 STREMET 00070

A02
Test report 2.2, EN 10204.

B01.B02.B05.B15

TATA STEEL

A05 Doc. nr
K 2019091566 00

Cold rolled, Coil, DC01 A, EN 10130:12-2006.
Roughness Normal. 0.50 G/M2/Side oiled.
Trimmed edges.
Suitable for: Part galvanising.

Tolerance EN 10131 (Thickness tolerance +0.09/-0.09 mm, Width tolerance +5/-0 mm).

Z04

A06 Customer/Consignee

A08 Order nr.
49014 K

A11 Dispatch note
20313

A10 Transport
MILA

B09.B10.B11 Dimensions
1500 mm X 1.50 mm

B07 PRODUCT-IDENT	B13 MASS kg	B08 NR	B07 CAST NR.	C65-2 TRIPLE SPOT g/m²	C65-5	C65-6 ZN g/m²	C65-7 FE/ZN %	C65-4 ROUGHNESS Ra um	C65-5 Peak-dens.	C01	C52 HARD-NESS	C65-1 PICK. RATE %	C01/C02	C10	C03 Temp °C	C44	C11 ReL	C11 Rp 0.2 MPa	C12 Rm MPa	C13 A80 %	C16 Rp/Rm %	C17 r-value	C18 n-value	C65-8
703705A	13046	1	N2165							22			T	P	+ 20			171	306	44.0	55	1.65	0.21	
703705B	12688	1	"							22			T	P	+ 20			171	306	44.0	55	1.65	0.21	
TOTAL	25734	2																						

C71-C92 CHEMICAL COMPOSITION in %

B07 CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb	C82 V	C83 N	C84 B	C85 Ti	C86 Al-ZO	C87 Sn	C88	C89
N2165	.038	0.176	.011	.034	0.002	0.040	.017	.023	.023	.003	.000	.001	.0033	.0000	.001	0.039	.001		

C65-3
1:1=Upperside 2:1=Left
2=Bottomside 2=Middle
3=Right

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

C10
P=prismatical
C=cylindrical

C70 STEELMAKING PROCESS: BO

C65-9

Z05
Stamp of the expert :

Z02
Tata Steel IJmuiden BV

JOOST COPPENS
MANAGER TESTING

IJMUIDEN, 13 SEPTEMBER 2019

B06

A04

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

A01
Tata Steel IJmuiden BV
Wenckebachstraat 1
1951 JZ Velsen Noord
Postbus 10000
1970 CA IJmuiden The Netherlands
Tel: 0251-492110
Company Trade Register 34040851
E: info.testing@tatasteeleurope.com

A07 Reference
4500017034
11000378 STREMET 00050

A02
Test report 2.2, EN 10204.

B01.B02.B05.B15

TATA STEEL

A05 Doc. nr
K 20191020740 0

Cold rolled, Coil, DC01 A, EN 10130:12-2006.
Roughness Normal. 0.50 G/M2/Side oiled.
Trimmed edges.
Suitable for: Part galvanising.

Tolerance EN 10131 (Thickness tolerance +0.09/-0.09 mm, Width tolerance +5/-0 mm).

A06 Customer/Consignee

Z04

A08 Order nr.
49291 E

A11 Dispatch note
28173

A10 Transport
TRYCA

B09.B10.B11 Dimensions
1500 mm X 1.50 mm

B07 PRODUCT-IDENT	B13 MASS kg	B08 NR	B07 CAST NR.	C65-2 TRIPLE SPOT g/m²	C65-5	C65-6 ZN g/m²	C65-7 FE/ZN %	C65-4 ROUGHNESS Ra um	C65-5 Peak-dens.	C01	C32 HARD-NESS	C65-1 PICK. RATE %	C01/C02	C10	C05 Temp °C	C44	C11 ReL	C11 TENSILE TEST Rp 0.2 MPa	C12 Rm MPa	C15 A80 %	C16 Rp/Rm %	C17 r-value	C18 n-value	C65-8 DIVERS.
051789A	11070	1	N5464							22			T	P	+ 20			194	321	40.0	60	2.05	0.19	
051789B	11649	1	"							22			T	P	+ 20			194	321	40.0	60	2.05	0.19	
TOTAL	22719	2																						

C71-C92 CHEMICAL COMPOSITION in %

B07 CAST NR.	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 Ti	C86 Al-ZO	C87 Sn	C88	C89
N5464	.046	0.220	.008	.007	0.016	0.034	.025	.021	.021	.003	.000	.001	.0028	.0000	.002	0.033	.002		

C65-5 1:1=Upperside 2:1=Left 2=Bottomside 2=Middle 3=Right

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

C10 P=prismatical C=cylindrical

C70 STEELMAKING PROCESS: BO

C65-9

Z05
Stamp of the expert :

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

JOOST COPPENS
MANAGER TESTING

IJMUIDEN, 15 OKTOBER 2019

01W4949E 01W49TTS