

## Material Certificate List

Shipping Address		Information	
<b>Ship-to-party</b>	TAMMINIITY OY KETJUTIE 4 27710 KILYLI FINLAND	<b>Document Number</b>	<b>80485633</b>
		<b>Delivery Date</b>	<b>19.05.2021</b>
		Sales Order Number	153526
		Sales Order Date	11.05.2021
		Purchase Order Number	006584
		Customer Number	201512
		Mode of Transportation	
		Delivery Term	DAP EURA
		Country of Origin	
		Country of Destination	FI
		From/Via	35A1
		Route	R00000
		Delivery Plant	35A1
		Certificate Receiver	myynti@tamminiity.fi
Buyer			
<b>Sold to Party</b>	TAMMINIITY OY KETJUTIE 4 27710 KILYLI FINLAND		
Weight-Volume			
<b>Total Gross Weight</b>	17.063,00 KG		
<b>Total Net Weight</b>	17.063,00 KG		
<b>Total Packages</b>	7		

Shipping Details					
Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002042 Hot Rolled Pickled,Sheet, 6.00X1500.00X3000.00	4010600	2.500,00	2.580,00	2.580,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001243714	Material ID	835134		
20	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	2.500,00	2.473,00	2.473,00 KG
Steel Grade	S355				
Batch	0001216539	Material ID	6068591		
30	13001618 HRP,SHEET, 12.00X1500.00X3000.00	4011200	7.500,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
40	13001619 Hot Rolled Dry,Sheet, 15.00X1500.00X3000.00	4511500	2.500,00	2.120,00	2.120,00 KG
Steel Grade	S355				
Batch	0001191717	Material ID	2957029		
50	13011744 Hot Rolled Dry,Sheet,	4511600	2.500,00	2.261,00	2.261,00 KG

## Material Certificate List

Information	
Document Number	80485633
Delivery Date	19.05.2021

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
Steel Grade	16.00X1500.00X3000.00				
Batch	S355				
	0001204794	Material ID	3017150		
900001	13001618	4011200	7.500,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001243543	Material ID	607718		
900002	13001618	4011200	7.500,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001243551	Material ID	607718		
900003	13001618	4011200	7.500,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001243549	Material ID	607718		

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@tatasteel.eu.com	A03 Doc nr. 2021042310 00	A04 <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5  21110 NAANTALI FINLAND	A07, A09 Reference 4500039343 11001477  00020	A08 Order nr. 50382 B
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010, 1.00 G/M2/side oiled, Mill edges, Impact test. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.16/-0.16 mm). Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09,B10,B11 Dimensions 1500 mm X 6 mm
		B13 Total Mass KG 24818
		B08 Total NR. 2
		A11 Dispatch Note 16944
		A10 Transport ANDREA

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 835134	MASS KG: 12459	NR: 1	CAST NR: S4066	B07,B08,B13
<b>TENSILE TEST</b>				C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	417	496	29.5	84

<b>IMPACT TEST AND OTHER TESTS</b>													C40,C60,C65
C01	C01/C02	C10	C03	B05	C41	C40,C60,C65	C44	C42	C42	C42	C43		
			Temp °C		mm			ind.	ind.	ind.	mean		
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	100	85	113	99		

PROD-IDENT: 835133	MASS KG: 12359	NR: 1	CAST NR: S4066	B07,B08,B13
<b>TENSILE TEST</b>				C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	417	496	29.5	84

<b>IMPACT TEST AND OTHER TESTS</b>													C40,C60,C65
C01	C01/C02	C10	C03	B05	C41	C40,C60,C65	C44	C42	C42	C42	C43		
			Temp °C		mm			ind.	ind.	ind.	mean		
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	100	85	113	99		

<b>CHEMICAL COMPOSITION in %</b>												
B07	CAST NR.	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81
	S4066	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb
		0.071	1.026	0.019	0.007	0.010	0.037	0.007	0.019	0.021	0.002	0.022
	CAST NR.	C82	C83	C84	C85	C86	C87	C88				
	S4066	V	N	B	Ti	Sn	Al_ZO	C-eql				
		0.004	0.0031	0.0000	0.001	0.001	0.035	0.249				
C-eql: C + Mn/6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15												

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

Tata Steel IJmuiden BV

Jeffrey Flemming  
Manager Mechanical Testing  
IJmuiden, 12 April 2021

*Jeffrey Flemming*

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**TATA STEEL**

Inspection certificate 3-1, EN10204.

4500035649

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

Country of melt and pour : The Netherlands.

5500001067 MDA  
11008664

2021009575 00

70387

1500 mm X 10.00 mm

SEINPOST

70387

56525 A

1970 CA IJMUIDEN  
NOORDHOLLAND

Stamp of the expert :

Tata Steel IJmuiden BV

JEFFREY FLEMING  
MGR. MECH. TESTING

IJMUIDEN, 25 JANUARI 2021

TENSILE TEST										IMPACT TEST AND OTHER TESTS										
SP. NO.	PROD. IDENT	MASS kg	NR	CAST NR.	Temp °C	R <sub>H</sub> MPa	R <sub>0.2</sub> MPa	R <sub>m</sub> MPa	A %	A %	R <sub>m</sub> /R <sub>0.2</sub> %	r <sub>m</sub> value	n <sup>o</sup> value	HARDNESS	Temp °C	Ind. Ind.	Ind. Ind.	Ind. Ind.	ASTM E-112	
015	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	
6068591	1 R7788	28040	32 1L P	1 R7788	+ 20	399	490	30.5	81						- 20	2	195	201	195	197
606882	1 R7794	31820	32 1L P	1 R7794	+ 20	378	481	30.0	79						- 20	2	211	188	212	204
6068601	1 R7799	27700	32 1L P	1 R7799	+ 20	385	484	30.5	80						- 20	2	207	211	150	189
TOTAL		87560	3																	

CHEMICAL COMPOSITION in %																				
CAST NR.	PROD. IDENT	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-Z0	Sn	Ti	C-eq1
036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056
R7786		0.078	0.965	0.012	0.005	0.010	0.032	0.008	0.020	0.017	0.002	0.023	0.003	0.029	0.000	0.029	0.001	0.001	0.001	0.249
R7794		0.076	1.040	0.013	0.006	0.008	0.029	0.008	0.020	0.016	0.005	0.023	0.003	0.030	0.000	0.026	0.001	0.001	0.001	0.256
R7799		0.074	1.018	0.015	0.004	0.009	0.033	0.007	0.021	0.016	0.002	0.023	0.002	0.029	0.001	0.032	0.001	0.001	0.001	0.252

Stamp of the expert :

Tata Steel IJmuiden BV

JEFFREY FLEMING  
MGR. MECH. TESTING

IJMUIDEN, 25 JANUARI 2021

Stamp of the expert :

Tata Steel IJmuiden BV

JEFFREY FLEMING  
MGR. MECH. TESTING

IJMUIDEN, 25 JANUARI 2021

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

01M0675E

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	A03 Doc nr. 2021014277 00	A04 <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.	
A05 Customer/Consignee SERVICE CENTRE MAASTRICHT B.V. A.U. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND	A07, A09 Reference 4500035562 NAANTALI 11009846 00030	A08 Order nr. 57493 C
	B01, B02, B03, B04, B15 Not rolled dry, Coil, S355MC, YMPRESS WG 8:01-2010. 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 +0.22/-0.22 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of melt and pour: The Netherlands	

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 2957029      MASS KG: 31640      NR: 1      CAST NR: S0505      B07, B08, B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 Rp0.2 (MPa)	C12 Rm (MPa)	C13 A (%)	C16 Rp0.2/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	395	529	27.0	75

IMPACT TEST AND OTHER TESTS C40, C60, C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40, C60, C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 measr
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	10.0	ISO-V	J	319	315	335	323

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
S0505	0.057	1.315	0.013	0.004	0.011	0.040	0.008	0.021	0.018	0.003	0.034
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
S0505	0.002	0.0041	0.0000	0.001	0.001	0.037	0.283				

C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

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

Tata Steel IJmuiden BV

Jeffrey Fleming  
Manager Mechanical Testing  
IJmuiden, 4 February 2021

*Jeffrey Fleming*

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<b>A01</b> 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	<b>A03 Doc nr.</b> 2021017523 00	<b>A04</b>  <b>TATA STEEL</b>
	<b>A02</b> Inspection certificate 3.1, EN10204.  <b>A07, A09 Reference</b> 4500035578 NAANTALI 11004832  00010	
<b>A06 Customer/Consignee</b> SERVICE CENTRE MAASTRICHT B.V. B.U. FEIJEN POSTBUS 10.000  1970 CA IJMUUDEN NOORDHOLLAND	<b>B01,B02,B03,B04,B15</b> Hot rolled dry, Coil, S355MC, YMPRESS WG 8.01-2010. 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 +0.24/-0.24 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of melt and pour: The Netherlands	
	<b>C70</b> STEEL MAKING PROCESS: BO	
	<b>B09,B10,B11 Dimensions</b> 1500 mm X 16 mm	
	<b>B13 Total Mass KG</b> 32160	<b>B08 Total NR.</b> 1
<b>A11 Dispatch Note</b> 77202		<b>A10 Transport</b> ADRIANA

**Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant'** C50

PROD-IDENT: 3017150      MASS KG: 32160      NR: 1      CAST NR: S1199      B07,B08,B13

**TENSILE TEST** C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 Rp0.2 (MPa)	C12 Rm (MPa)	C13 A (%)	C16 Rp0.2/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	373	509	31.0	73

**IMPACT TEST AND OTHER TESTS** C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	10.0	ISO-V	J	302	326	317	315

**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
S1199	0.062	1.319	0.015	0.006	0.011	0.031	0.007	0.020	0.018	0.002	0.031
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql				
S1199	0.004	.0036	.0000	0.001	0.001	0.030	.289				

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



Purchase Order:  
4500041082  
Vendor Batch:  
3017150

130117440001204795



Purchase Order:  
4500041082  
Vendor Batch:  
3017150

130117440001204794

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

Tata Steel IJmuiden BV

Jeffrey Flemming  
Manager Mechanical Testing  
IJmuiden, 12 February 2021

*Jeffrey Flemming*

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	A03 Doc nr. 2021018873 00	A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee SERVICE CENTRE MAASTRICHT B.V. B.V. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND	A07, A09 Reference 4500035562 NAANTALI 11008865  00010	A08 Order nr. 57493 A
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, 6355MC, YMPRESS WG S:01-2010. 1.00 G/M2/Side oiled. Mill edges. Impact test. Suitable for: Part galvanizing, Cutting into sheet. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.21/-0.21 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of melt and pour: The Netherlands	
	C70 STEEL MAKING PROCESS: BO	B09,B10,B11 Dimensions 1500 mm X 12 mm
	B13 Total Mass KG 62140	B08 Total NR. 2
	A11 Dispatch Note 77227	A10 Transport ADRIANA

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 607718      MASS KG: 31680      NR: 1      CAST NR: S0757      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 R <sub>EH</sub> (MPa)	C12 R <sub>m</sub> (MPa)	C13 A (%)	C16 R <sub>m</sub> /R <sub>e</sub> (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	382	483	30.5	79

IMPACT TEST AND OTHER TESTS C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	10.0	ISO-V	J	282	224	208	238

PROD-IDENT: 607565      MASS KG: 30460      NR: 1      CAST NR: S0092      B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 R <sub>p0.2</sub> (MPa)	C12 R <sub>m</sub> (MPa)	C13 A (%)	C16 R <sub>p0.2</sub> /R <sub>m</sub> (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	383	484	29.5	79

IMPACT TEST AND OTHER TESTS C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	10.0	ISO-V	J	226	235	271	244

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
S0757	0.068	0.992	0.016	0.007	0.010	0.038	0.007	0.022	0.019	0.002	0.024
S0092	0.074	0.987	0.010	0.004	0.010	0.030	0.007	0.022	0.019	0.002	0.024
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al <sub>20</sub>	C88 C-eq1				
S0757	0.003	.0037	.0000	0.001	0.001	0.036	241				
S0092	0.002	.0039	.0000	0.001	0.001	0.028	245				

C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

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

Tata Steel IJmuiden BV

Jeffrey Flemming  
Manager Mechanical Testing  
IJmuiden, 16 February 2021

*Jeffrey Flemming*