

## 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		<b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
A07, A09 Reference 4500039343 11001477 00020	A08 Order nr. 50382 B		
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	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

TENSILE TEST C10-29

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

IMPACT TEST AND OTHER TESTS 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	Surface	Prismatical	-20	0	5.0	ISO-V	J	100	85	113	99
Middle	Longitudinal										

PROD-IDENT: 835133      MASS KG: 12359      NR: 1      CAST NR: S4066      B07,B08,B13

TENSILE TEST C10-29

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

IMPACT TEST AND OTHER TESTS 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	Surface	Prismatical	-20	0	5.0	ISO-V	J	100	85	113	99
Middle	Longitudinal										

CHEMICAL COMPOSITION in %


B07	CAST NR.	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81
		C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb
	S4066	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				
	S4066	0.004	.0031	.0000	0.001	0.001	0.035	.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



Page 1 of 1 Z01,202



**Inspection certificate 3.1, EN10204.**  
**4500035649**  
**MDA**  
 550001067  
 11008664  
 648 Doc. nr  
**2021009575 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**  
 Country of melt and pour : The Netherlands.

PROD. IDENT	MASS kg	NR	CAST NR.	TENSILE TEST					IMPACT TEST AND OTHER TESTS										
				R <sub>m</sub> MPa	R <sub>0.2</sub> MPa	R <sub>0.01</sub> MPa	A %	A <sub>50</sub> %	R <sub>Hy/R<sub>m</sub></sub> %	r-value	n-value	TEMP °C	Ind. Ind.	Ind. Ind.	Ind. Ind.	ASTM E-112			
6068591	28040	1	R7788	399	490	30.5	81	81	81	1L P	0	7.5	ISO-V	- 20 2	195	201	195	197	ASTM E-112
606882	31820	1	R7794	378	481	30.0	79	79	79	1L P	0	7.5	ISO-V	- 20 2	211	188	212	204	
6068801	27700	1	R7799	385	484	30.5	80	80	80	1L P	0	7.5	ISO-V	- 20 2	207	211	150	189	
<b>TOTAL</b>	<b>87560</b>	<b>3</b>																	

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
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	0.249	0.031	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	0.256	0.026	0.001	0.001	0.256
R7799		0.074	1.018	0.015	0.009	0.009	0.033	0.007	0.031	0.016	0.002	0.023	0.002	0.029	0.001	0.252	0.032	0.001	0.001	0.252
Stamp of the expert :																				
Tata Steel IJmuiden BV																				
JEFFREY FLEMING MGR. MECH. TESTING																				
IJMUIDEN, 25 JANUARI 2021																				

**CONTRACTION (Z)**  
**1: J/cm<sup>2</sup>**  
**2: Later. exp. (mm)**  
**3: Shear area (Z)**

**STEELMAKING PROCESS: BO Page 1 of 1**

**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 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 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 +0.22/-0.22 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 15 mm
B13 Total Mass KG 31640		B08 Total NR. 1
A11 Dispatch Nota 75974		A10 Transport ROSALIE

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*

<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 galvanising, 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*