

## Material Certificate List

Shipping Address		Information	
<b>Ship-to-party</b>	TAMMINIITTY OY KETJUTIE 4 27710 KIILYLIN FINLAND	<b>Document Number</b>	<b>80471500</b>
		<b>Delivery Date</b>	<b>26.04.2021</b>
		Sales Order Number	150806
		Sales Order Date	22.04.2021
		Purchase Order Number	006502
<b>Buyer</b>		Customer Number	201512
		Mode of Transportation	
<b>Sold to Party</b>	TAMMINIITTY OY KETJUTIE 4 27710 KIILYLIN FINLAND	Delivery Term	DAP EURA
		Country of Origin	
		Country of Destination	FI
		From/Via	35A1
		Route	R00000
<b>Weight-Volume</b>		Delivery Plant	35A1
<b>Total Gross Weight</b>	14.537,00 KG	Certificate Receiver	myynti@tamminiitty.fi
<b>Total Net Weight</b>	14.537,00 KG		
<b>Total Packages</b>	6		

### Shipping Details

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002040 Hot Rolled Pickled,Sheet, 4.00X1500.00X3000.00		2.500,00	2.560,00	2.560,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001223034	Material ID	815323		
20	13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00		2.500,00	2.510,00	2.510,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001220590	Material ID	828163		
30	13001616 HRP,SHEET, 8.00X1500.00X3000.00		5.000,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
40	13001619 Hot Rolled Dry,Sheet, 15.00X1500.00X3000.00		2.500,00	2.120,00	2.120,00 KG
Steel Grade	S355				
Batch	0001175131	Material ID	2957030		
50	13011744 Hot Rolled Dry,Sheet,		2.500,00	2.261,00	2.261,00 KG

#### Naantali Steel Service Centre Oy

Rautakatu 5, 21110, Naantali, Finland

T: +358 (0)10 28 76 901, naantalissc@tatasteelurope.com

Reg. No. 2674812-1

## Material Certificate List

Information	
Document Number	80471500
Delivery Date	26.04.2021

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
Steel Grade	16.00X1500.00X3000.00 S355				
Batch	0001204795	Material ID	3017150		
900001	13001616 Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00		5.000,00	2.543,00	2.543,00 KG
Steel Grade	S355				
Batch	0001191656	Material ID	606855		
900002	13001616 Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00		5.000,00	2.543,00	2.543,00 KG
Steel Grade	S355				
Batch	0001191661	Material ID	606852		

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	A03 Doc nr. 2021027655 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 4500033431 11001473  00030	A08 Order nr. 56442 C
	B01, B02, B03, B04, B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010. 1.00 G/M2/side oiled. Mill edges. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.14/-0.14 mm). Country of melt and pour: The Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09, B10, B11 Dimensions 1500 mm X 4 mm
		B13 Total Mass KG 62186
		B08 Total NR. 6
		A10 Dispatch Note 85051
		A10 Transport LINDEBORG

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

PROD-IDENT: 815326	MASS KG: 10371	NR: 1	CAST NR: S0066	B07, B08, B13			
TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	393	471	34.5	83

PROD-IDENT: 815325	MASS KG: 10381	NR: 1	CAST NR: S0066	B07, B08, B13			
TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	393	471	34.5	83

PROD-IDENT: 815324	MASS KG: 10311	NR: 1	CAST NR: S0066	B07, B08, B13			
TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	381	478	32.5	80

PROD-IDENT: 815323	MASS KG: 10421	NR: 1	CAST NR: S0066	B07, B08, B13			
TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	381	478	32.5	80

PROD-IDENT: 815322	MASS KG: 10431	NR: 1	CAST NR: S0066	B07, B08, B13			
TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	381	478	32.5	80

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, 6 March 2021

*Jeffrey Flemming*

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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. 2021027655 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204		
	A07, A09 Reference 4500033431 11001473 00030	A08 Order nr. 56442 C	

PROD-IDENT: 813414      MASS KG: 10271      NR: 1      CAST NR: R9241      B07,B08,B13

TENSILE TEST      C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
Bottom Middle	Surface Longitudinal	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
			+20	393	478	34.0	82

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
	S0066		0.070		0.511		0.012		0.006		0.009		0.039		0.007		0.020		0.019		0.002		0.024
	R9241		0.074		0.487		0.012		0.006		0.009		0.036		0.008		0.018		0.017		0.001		0.026
	CAST NR.	C82	V	C83	N	C84	B	C85	Ti	C86	Sn	C87	Al_ZO	C88	C-eq1								
	S0066		0.002		0.0028		0.0000		0.001		0.001		0.037		.162								
	R9241		0.002		0.0026		0.0000		0.001		0.001		0.034		.161								

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

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Tata Steel IJmuiden BV  
  
Jeffrey Flemming  
Manager Mechanical Testing  
IJmuiden, 6 March 2021



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. 2021027660 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 4500035855 11001475  00010	A08 Order nr. 57614 A
	B01, B02, B03, B04, B15 Hot rolled pickled, Coil, S355MC, YMPRESS MG S:01-2010. 1.00 G/M2/Side oiled. Mill edges. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev,Tol: (Thickness tolerance +0.15/-0.15 mm). Country of melt and pour: The Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09, B10, B11 Dimensions 1500 mm X 5 mm
		B13 Total Mass KG 108005
		B08 Total NR. 10
		A11 Dispatch Note 85051
		A10 Transport LINDEBORG

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

PROD-IDENT: 828163	MASS KG: 10301	NR: 1	CAST NR: S2659	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 Middle	Surface Longitudinal	Prismatical	+20	396	476	34.5	83

PROD-IDENT: 828162	MASS KG: 10311	NR: 1	CAST NR: S2659	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 Middle	Surface Longitudinal	Prismatical	+20	396	476	34.5	83

PROD-IDENT: 828161	MASS KG: 10051	NR: 1	CAST NR: S2659	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 Middle	Surface Longitudinal	Prismatical	+20	391	473	34.5	83

PROD-IDENT: 828160	MASS KG: 10291	NR: 1	CAST NR: S2659	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 Middle	Surface Longitudinal	Prismatical	+20	391	473	34.5	83

PROD-IDENT: 828159	MASS KG: 10301	NR: 1	CAST NR: S2659	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 Middle	Surface Longitudinal	Prismatical	+20	391	473	34.5	83

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, 6 March 2021

*Jeffrey Flemming*

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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. 2021017523 00	A04 <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee SERVICE CENTRE NAASTRICHT B.V. B.U. FEIJEN POSTBUS 10 000 1970 CA IJMUIDEN NOORDHOLLAND	A07, A09 Reference 4500035578 NAANTALI 11004832 00010	A08 Order nr. 57494 A
	B01,B02,B03,B04,B15 Hot rolled dry, Coil, S355MC, YMPRESS WG 9:01-2010. Mill edges. Impact test. Suitable for: Part galvanising, Cutting into sheet. Tolerance EN 10051 : 2010 (B) (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	

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 Ra (MPa)	C13 A (%)	C16 Rp0.2/Ra (%)
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 20	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*

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Z04

**A01** Tata Steel IJmuiden BV  
 Menckebachstraat 1  
 1951 JZ Veijlen Noord  
 Postbus 18000  
 1978 EA IJmuiden The Netherlands  
 Telephone: 0251-492110  
 E-mail: info-testing@tatasteel-europe.com

**A02** Inspection certificate 3.1, EM10204.  
 4500033668  
 B01-B02-B05-B06-B15

**A03** Reference  
 5500001066 MDA  
 11008863

**A04** Doc. nr  
 2021009576 00

**A05** Customer/Consignee  
 SERVICE CENTRE MAASTRICHT B.V.  
 B.U. FEIJEN  
 POSTBUS 10.000  
 1970 CA IJMUIDEN  
 NOORDHOLLAND

**A06** Dispatch note  
 70387

**A07** Order nr.  
 56529 A

**A08** Dimensions  
 1500 mm X 8.00 mm

TENSILE TEST		HARDNESS										IMPACT TEST AND OTHER TESTS													
PROD.-IDENT	MASS kg	NR	CAST NR.	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	
606854	31880	1	R7792	32	LL	P	495	30.5	81																
606852	31880	1	"	32	LL	P	484	30.5	81																
606853	28860	1	R7794	32	LL	P	487	30.0	82																
606855	31840	1	R7799	32	LL	P	495	30.5	81																
TOTAL	124460	4																							

**B07** CAST NR. 1 R7792

CHEMICAL COMPOSITION in %																			
PROD.-IDENT	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	AI-ZO	Sn	Ti	C-eq1
R7792	0.072	1.030	0.016	0.005	0.011	0.036	0.008	0.024	0.016	0.003	0.024	0.003	0.030	0.000	0.035	0.001	0.001	0.001	0.251
R7794	0.076	1.040	0.013	0.006	0.008	0.029	0.008	0.020	0.016	0.003	0.023	0.003	0.030	0.000	0.028	0.001	0.001	0.001	0.256
R7799	0.074	1.018	0.015	0.004	0.009	0.033	0.007	0.031	0.016	0.002	0.023	0.002	0.029	0.001	0.032	0.001	0.001	0.001	0.252

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

**Z05** Stamp of the expert :

**Z06** Tata Steel IJmuiden BV

**Z07** STEELMAKING PROCESS: BO Page 1 of 1

**Z08** Jeffery Flemming  
 JEFFREY FLEMING  
 MGR. MECH. TESTING

**Z09** IJMUIDEN, 25 JANUARI 2021