

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITTY OY KETJUTIE 4 27710 KIILYLIN FINLAND	Document Number	80471500
		Delivery Date	26.04.2021
		Sales Order Number	150806
		Sales Order Date	22.04.2021
		Purchase Order Number	006502
Buyer		Customer Number	201512
		Mode of Transportation	
Sold to Party	TAMMINIITTY OY KETJUTIE 4 27710 KIILYLIN FINLAND	Delivery Term	DAP EURA
		Country of Origin	
		Country of Destination	FI
		From/Via	35A1
		Route	R00000
Weight-Volume		Delivery Plant	35A1
Total Gross Weight	14.537,00 KG	Certificate Receiver	myynti@tamminiitty.fi
Total Net Weight	14.537,00 KG		
Total Packages	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				
Batch	S355				
	0001204795	Material ID	3017150		
900001	13001616		5.000,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001191656	Material ID	606855		
900002	13001616		5.000,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001191661	Material ID	606852		

Naantali Steel Service Centre Oy

Rautakatu 5, 21110, Naantali, Finland

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Reg. No. 2674812-1

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 TATA STEEL
	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 C10-29				
C01	C01/C02	C10	C03	C11
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	393
				C12
				Rm (MPa)
				471
				C13
				A (%)
				34.5
				C16
				ReH/Rm (%)
				83

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

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

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

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

Page 1 of 2 201,202

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 <div style="text-align: center; font-weight: bold; font-size: 1.2em;">TATA STEEL</div>
	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		0.162								
	R9241		0.002		0.0026		0.0000		0.001		0.001		0.034		0.161								

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.

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Jeffrey Flemming
 Manager Mechanical Testing
 IJmuiden, 6 March 2021

Jeffrey Flemming

Page 2 of 2 201,202

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 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500035855 11001475 00010	A08 Order nr. 57614 A	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	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

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Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing
IJmuiden, 6 March 2021

Jeffrey Flemming

Page 1 of 2 Z01,202

A01 Tata Steel IJmuiden BV Wenkebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteelurope.com	A03 Doc nr. 2021027660 00		A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204		
	A07, A09 Reference 4500035855 11001475 00010	A08 Order nr. 57614 A	

PROD-IDENT: 828158 MASS KG: 10041 NR: 1 CAST NR: S2657 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	370	461	35.5	80

PROD-IDENT: 828157 MASS KG: 10291 NR: 1 CAST NR: S2657 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	370	461	35.5	80

PROD-IDENT: 828155 MASS KG: 10301 NR: 1 CAST NR: S2657 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	370	461	35.5	80

PROD-IDENT: 821543 MASS KG: 12869 NR: 1 CAST NR: S0538 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	382	468	35.0	82

PROD-IDENT: 821542 MASS KG: 13248 NR: 1 CAST NR: S0538 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	382	468	35.0	82

CHEMICAL COMPOSITION in %

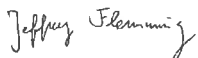
B07 CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb
S2659	0.069	0.490	0.010	0.006	0.007	0.033	0.005	0.017	0.017	0.001	0.027
S2657	0.070	0.492	0.015	0.006	0.006	0.033	0.005	0.021	0.016	0.001	0.023
S0538	0.080	0.509	0.012	0.006	0.008	0.029	0.006	0.026	0.017	0.002	0.024
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql				
S2659	0.002	.0028	.0000	0.001	0.000	0.032	.156				
S2657	0.002	.0025	.0000	0.001	0.001	0.031	.158				
S0538	0.002	.0032	.0001	0.001	0.001	0.027	.172				

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, 6 March 2021

TATA STEEL
 Reference: 6500035562 11009846 00040
 Order No: 2021008801 00
 Material: MAANTALI
 Hot rolled dry, Coil, S355MC, YMPRESS MG S:01-2010.
 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 +0.22/-0.22 mm).
 PRODUCE AND TEST ACCORDING TO EN 10149-2
 Country of melt and pour : The Netherlands.

Order No	57493 D	Dispatch note	71983
Order No	2021008801 00	Order No	C EST LA VIE

TENSILE TEST

PRD.-IDENT	NR	MASS kg	NR	CAST NR.	15 mm			Temp °C	R _{0.2} MPa	R _m MPa	A %	A %	R _{0.2} /R _m %	r-value	n-value
					Ø	L	S								
2957030	1	31960	1	S0505	32	11	P	+20	412	530	28.5		78		
TOTAL		31960	1												

HARDNESS

2957030	1	11	P			
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CHEMICAL COMPOSITION in %

PRD.-IDENT	NR	15 mm																
		C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Mb	N	V	Sn	Ti	C-eq1	
S0505		.057	1.315	.013	.004	0.011	0.040	.008	0.021	0.018	.003	.034	.002	.0041	.0000	0.037	.001	.263
TOTAL																		

C50 Buigproef/Bend test/Biegeversuch/Test de flexion : good/good/gut/concluant
 Stamp of the expert :

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 TATA STEEL
	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

Page 1 of 1

201,202

Z16

Inspection certificate 3.1, EM10204.

4500033648

Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.

Suitable for: Part galvanising, Cutting into sheet. Tolerance EN 10051 : 2010 (E) (width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.18/-0.18 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of melt and pour : The Netherlands.

Service Centre MAASTRICHT B.V. B.U. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND

70387

1500 mm X 8.00 mm

TENSILE TEST

B07	B08	B09	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	HARDNESS				
													B20	B21	B22		
606854	31880	1	R7792	32	LL	P											
606852	31880	1		32	LL	P											
606853	28860	1	R7794	32	LL	P											
606855	31840	1	R7799	32	LL	P											

CHEMICAL COMPOSITION in %

B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
0.072	0.076	0.074	0.016	0.008	0.008	0.024	0.016	0.003	0.024	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.251
0.015	0.015	0.015	0.006	0.008	0.008	0.020	0.016	0.003	0.023	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.256
0.015	0.015	0.015	0.006	0.008	0.008	0.020	0.016	0.003	0.023	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.252

IMPACT TEST AND OTHER TESTS

B41	B42	B43	B44	B45	B46	B47	B48	B49	B50
11	P	0	5.0	ISO-V					
11	P	0	5.0	ISO-V					
11	P	0	5.0	ISO-V					
11	P	0	5.0	ISO-V					

STEELMAKING PROCESS: BO Page 1 of 1

Tata Steel IJmuiden BV

JEFFREY FLEMMING
MGR. MECH. TESTING

Stamp of the expert :

Signature: *Jeffrey Fleming*

IJMUIDEN, 25 JANUARI 2021

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