

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITY OY KETJUTIE 4 27710 KÄYLÄ FINLAND	Document Number	80490201
		Delivery Date	26.05.2021
		Sales Order Number	154965
		Sales Order Date	24.05.2021
		Purchase Order Number	006630
		Customer Number	201512
Buyer		Mode of Transportation	
Sold to Party	TAMMINIITY OY KETJUTIE 4 27710 KÄYLÄ FINLAND	Delivery Term	DAP EURA
		Country of Origin	FI
		Country of Destination	FI
		From/Via	35A1
		Route	R00000
Weight-Volume		Delivery Plant	35A1
Total Gross Weight	19.625,00 KG	Certificate Receiver	myynti@tamminiity.fi
Total Net Weight	19.625,00 KG		
Total Packages	8		

Shipping Details					
Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002040 Hot Rolled Pickled,Sheet, 4.00X1500.00X3000.00	4010400	2.560,00	2.560,00	2.560,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001243254	Material ID	833830		
20	13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00	4010500	2.500,00	2.510,00	2.510,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001260710	Material ID	828162		
30	13001617 HRP,SHEET, 10.00X1500.00X3000.00	4011000	10.000,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
40	13001618 Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00	4011200	5.100,00	2.543,00	2.543,00 KG
Steel Grade	S355				
Batch	0001257030	Material ID	607565		
50	13001619 Hot Rolled Dry,Sheet,	4511500	2.120,00	2.120,00	2.120,00 KG

Material Certificate List

Information	
Document Number	80490201
Delivery Date	26.05.2021

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
Steel Grade	15.00X1500.00X3000.00 S355				
Batch	0001191704	Material ID	2957030		
900001	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	10.000,00	2.473,00	2.473,00 KG
Steel Grade	S355				
Batch	0001257320	Material ID	607369		
900002	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	10.000,00	2.473,00	2.473,00 KG
Steel Grade	S355				
Batch	0001257328	Material ID	607369		
900003	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	10.000,00	2.473,00	2.473,00 KG
Steel Grade	S355				
Batch	0001257410	Material ID	607365		
900004	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	10.000,00	2.473,00	2.473,00 KG
Steel Grade	S355				
Batch	0001257409	Material ID	607365		

Naantali Steel Service Centre Oy

Rautakatu 5, 21110, Naantali, Finland

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

Reg. No. 2674812-1

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@tatasteeleurope.com	A03 Doc nr. 2021036619 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 4500038449 11001473 00030	A08 Order nr. 59868 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 : Netherlands		C70 STEEL MAKING PROCESS: BO
			B09,B10,B11 Dimensions 1500 mm X 4 mm
		B13 Total Mass KG 40544	B08 Total NR. 4
		A11 Dispatch Note 12604	A10 Transport EMMA

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

PROD-IDENT: 834618 MASS KG: 10001 NR: 1 CAST NR: S3447 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	392	484	32.5	81	

PROD-IDENT: 834617 MASS KG: 10171 NR: 1 CAST NR: S3447 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	392	484	32.5	81	

PROD-IDENT: 834616 MASS KG: 10221 NR: 1 CAST NR: S3447 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	392	484	32.5	81	

PROD-IDENT: 833830 MASS KG: 10151 NR: 1 CAST NR: S0988 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	386	475	34.0	81	

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
S3447	0.074	0.506	0.015	0.006	0.010	0.036	0.008	0.022	0.019	0.002	0.026
S0988	0.069	0.493	0.009	0.004	0.008	0.054	0.008	0.020	0.018	0.001	0.025
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
S3447	0.003	.0024	.0000	0.001	0.001	0.035	.166				
S0988	0.002	.0028	.0000	0.001	0.001	0.052	.158				
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, 27 March 2021

Jeffrey Flemming

Page 1 of 1 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@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 WG S:01-2010. 1,00 G/M2/Side oiled. Mill edges. Tolerance EN 10051 : 2010 (B) (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

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

Page 1 of 2 Z01, Z02

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. 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

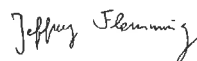
CHEMICAL COMPOSITION in %											
B07 CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb
S2659	0.069	0.490	0.010	0.006	0.007	0.033	0.005	0.017	0.017	0.001	0.027
S2657	0.070	0.492	0.015	0.006	0.006	0.033	0.005	0.021	0.016	0.001	0.023
S0538	0.080	0.509	0.012	0.006	0.008	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

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 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee SERVICE CENTRE MAASTRICHT B.V. B.U. 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, 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 (B) (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	

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

PROD-IDENT: 607719 MASS KG: 31680 NR: 1 CAST NR: S0757 B07, B08, B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03	C11	C12	C13	C16
Bottom	Surface	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Middle	Longitudinal		+20	382	483	30.5	79

IMPACT TEST AND OTHER TESTS C40, C60, C65

C01	C01/C02	C10	C03	B05	C41	C40, C60, C65	C44	C42	C42	C42	C43
Bottom	Surface	Prismatical	Temp °C		mm		J	ind.	ind.	ind.	mean
Middle	Longitudinal		-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	C11	C12	C13	C16
Bottom	Surface	Prismatical	Temp (°C)	Rp0.2 (MPa)	Rm (MPa)	A (%)	Rp0.2/Rm (%)
Middle	Longitudinal		+20	383	484	29.5	79

IMPACT TEST AND OTHER TESTS C40, C60, C65

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

CHEMICAL COMPOSITION (%)

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_ZO	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



Purchase Order:
4500036157
Vendor Batch:
607565



Purchase Order:
4500036157
Vendor Batch:
607565

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401 Tata Steel IJmuiden BV
 Mendelbeekstraat 1
 Postbus 10000
 1700 CA, IJmuiden, The Netherlands
 Telephone: 0651-932110
 E-mail: info.testing@tatasteel.com

402 Inspection certificate 3.1, EN10204.
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403 Inv. nr.
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404 Order nr.
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TENSILE TEST		HARDNESS		IMPACT TEST AND OTHER TESTS																						
PROD. IDENT	MASS kg	NR	CAST NR.	15 mm	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	
2957030	31960	1	S0505	32 1L P	412	530	28.5	78	0	10.0	ISO-V	-	20	2	334	240	313	296							ASTM E-112	
TOTAL	31960	1																								

CHEMICAL COMPOSITION in %															STEELMAKING PROCESS:		Page			
C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	AL-ZO	Sn	Ti	C-eq1	BO	1 of 1
0.057	1.315	0.013	0.004	0.011	0.040	0.008	0.021	0.016	0.003	0.036	0.002	0.0041	0.0000	0.057	0.001	0.001	0.001	0.285	BO	1 of 1
Stamp of the expert :																				
Tata Steel IJmuiden BV																				
JEFFREY FLEMING MGR. MECH. TESTING																				
IJMUIDEN, 23 JANUARI 2021																				

Stamp of the expert :
 Jeffrey Fleming

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

