

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITY OY KETJUTIE 4 27710 KILYLI 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 KILYLI 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

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.	
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 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 +0.15/-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

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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. 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

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Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing
IJmuiden, 6 March 2021



