

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITY OY KETJUTIE 4 27710 KUYLIJ FINLAND	Document Number	80483135
		Delivery Date	12.05.2021
		Sales Order Number	153396
		Sales Order Date	11.05.2021
		Purchase Order Number	006573
		Customer Number	201512
Buyer		Mode of Transportation	
Sold to Party	TAMMINIITY OY KETJUTIE 4 27710 KUYLIJ 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	17.139,00 KG	Certificate Receiver	myynti@tamminiity.fi
Total Net Weight	17.139,00 KG		
Total Packages	7		

Shipping Details					
Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002041 HRP,SHEET, 5.00X1500.00X3000.00	4010500	7.600,00	0,00	0,00 KG
Steel Grade	YMPRESS S355 MC				
Batch		Material ID			
20	13001616 Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00	4010800	2.550,00	2.543,00	2.543,00 KG
Steel Grade	S355				
Batch	0001208844	Material ID	607359		
30	13001617 HRP,SHEET, 10.00X1500.00X3000.00	4011000	5.000,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
40	13001619 Hot Rolled Dry,Sheet, 15.00X1500.00X3000.00	4511500	2.120,00	2.120,00	2.120,00 KG
Steel Grade	S355				
Batch	0001191713	Material ID	2957029		
900001	13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00	4010500	7.600,00	2.510,00	2.510,00 KG

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Document Number **80483135**
 Delivery Date **12.05.2021**

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
Steel Grade Batch	YMPRESS S355 MC 0001237693	Material ID	821542		
900002	13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00	4010500	7.600,00	2.510,00	2.510,00 KG
Steel Grade Batch	YMPRESS S355 MC 0001237271	Material ID	821538		
900003	13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00	4010500	7.600,00	2.510,00	2.510,00 KG
Steel Grade Batch	YMPRESS S355 MC 0001237695	Material ID	821542		
900004	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	5.000,00	2.473,00	2.473,00 KG
Steel Grade Batch	S355 0001216506	Material ID	6068601		
900005	13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00	4011000	5.000,00	2.473,00	2.473,00 KG
Steel Grade Batch	S355 0001216513	Material ID	6068601		

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. 2021014277 00	A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee SERVICE CENTRE NAASTRICHT B.V. B.V. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND	A07, A09 Reference 4500035562 NAANTALI 11009846 00030	A08 Order nr. 57493 C
	A01, B02, B03, B04, B15 Hot rolled dry, Coil, S355MC, YMPRESS WG S:01-2010. Mill edges. Inspect 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	

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 mean
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_2O	C88 C-eq1				
S0505	0.002	.0041	.0000	0.001	0.001	0.037	.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 Flemming
Manager Mechanical Testing
IJmuiden, 4 February 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. 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	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 LINDBERG
	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		

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

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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. 2021027657 00	A04 TATA STEEL
	A02 Inspection certificate 3,1, EN10204. A07, A09 Reference 4500034290 11001475 00010 A08 Order nr. 56496 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 (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 55551 B08 Total NR. 4 A11 Dispatch Note 85051 A10 Transport LINDBERG

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

PROD-IDENT: 821538	MASS KG: 12849	NR: 1	CAST NR: S0538	B07,B08,B13			
TENSILE TEST				C10-29			
C01	C01/C02	C10	C03	C11	C12	C13	C16
Bottom Middle	Surface Longitudinal	Prismatical	Temp (°C) +20	ReH (MPa) 388	Rm (MPa) 465	A (%) 28.5	ReH/Rm (%) 83

PROD-IDENT: 821537	MASS KG: 13208	NR: 1	CAST NR: S0538	B07,B08,B13			
TENSILE TEST				C10-29			
C01	C01/C02	C10	C03	C11	C12	C13	C16
Bottom Middle	Surface Longitudinal	Prismatical	Temp (°C) +20	ReH (MPa) 388	Rm (MPa) 465	A (%) 28.5	ReH/Rm (%) 83

PROD-IDENT: 821536	MASS KG: 14697	NR: 1	CAST NR: S0530	B07,B08,B13			
TENSILE TEST				C10-29			
C01	C01/C02	C10	C03	C11	C12	C13	C16
Bottom Middle	Surface Longitudinal	Prismatical	Temp (°C) +20	ReH (MPa) 396	Rm (MPa) 474	A (%) 34.0	ReH/Rm (%) 84

PROD-IDENT: 819275	MASS KG: 14797	NR: 1	CAST NR: S1177	B07,B08,B13			
TENSILE TEST				C10-29			
C01	C01/C02	C10	C03	C11	C12	C13	C16
Bottom Middle	Surface Longitudinal	Prismatical	Temp (°C) +20	ReH (MPa) 389	Rm (MPa) 469	A (%) 34.5	ReH/Rm (%) 83

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Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing

Jeffrey Flemming

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. 2021027657 00		A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500034290 11001475 00010	A08 Order nr. 56496 A	

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	
S0538	0.080	0.509	0.012	0.006	0.008	0.029	0.006	0.026	0.017	0.002	0.024	
S0530	0.074	0.512	0.012	0.007	0.008	0.036	0.009	0.022	0.016	0.001	0.026	
S1177	0.070	0.487	0.019	0.006	0.006	0.025	0.005	0.021	0.018	0.001	0.025	
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1					
S0538	0.002	.0032	.0001	0.001	0.001	0.027	.172					
S0530	0.002	.0031	.0000	0.001	0.001	0.035	.166					
S1177	0.003	.0022	.0000	0.001	0.001	0.024	.158					
C-eq1: C + Mn/6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15												

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Jeffrey Flemming
Manager Mechanical Testing
IJmuiden, 6 March 2021

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