

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITTY OY KETJUTIE 4 27710 KIIJYLII FINLAND	Document Number	80489249
		Delivery Date	25.05.2021
		Sales Order Number	154424
		Sales Order Date	19.05.2021
		Purchase Order Number	006617
		Customer Number	201512
		Mode of Transportation	
		Delivery Term	DAP EURA
		Country of Origin	
		Country of Destination	FI
		From/Via	35A1
		Route	R00000
		Delivery Plant	35A1
		Certificate Receiver	myynti@tamminiitty.fi
Buyer			
Sold to Party	TAMMINIITTY OY KETJUTIE 4 27710 KIIJYLII FINLAND		
Weight-Volume			
Total Gross Weight	22.512,00 KG		
Total Net Weight	22.512,00 KG		
Total Packages	9		

Shipping Details					
Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002042 Hot Rolled Pickled,Sheet, 6.00X1500.00X3000.00	4010600	2.590,00	2.590,00	2.590,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001236711	Material ID	835136		
20	13001616 HRP,SHEET, 8.00X1500.00X3000.00	4010800	5.100,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
30	13001617 HRP,SHEET, 10.00X1500.00X3000.00	4011000	5.000,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
40	13001618 HRP,SHEET, 12.00X1500.00X3000.00	4011200	7.630,00	0,00	0,00 KG
Steel Grade	S355				
Batch		Material ID			
50	13011744 Hot Rolled Dry,Sheet, 16.00X1500.00X3000.00	4511600	2.261,00	2.261,00	2.261,00 KG

Material Certificate List

Information

Document Number 80489249
 Delivery Date 25.05.2021

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
Steel Grade	S355				
Batch	0001204822	Material ID	3017150		
900001	13001616	4010800	5.100,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001216573	Material ID	607362		
900002	13001616	4010800	5.100,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001216576	Material ID	607362		
900003	13001617	4011000	5.000,00	2.473,00	2.473,00 KG
	Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001257323	Material ID	607369		
900004	13001617	4011000	5.000,00	2.473,00	2.473,00 KG
	Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001257321	Material ID	607369		
900005	13001618	4011200	7.630,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001243541	Material ID	607718		
900006	13001618	4011200	7.630,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001243552	Material ID	607718		
900007	13001618	4011200	7.630,00	2.543,00	2.543,00 KG
	Hot Rolled Pickled,Sheet, 12.00X1500.00X3000.00				
Steel Grade	S355				
Batch	0001243542	Material ID	607718		

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 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. 2021042315 00	A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.	
A05 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	A07, A09 Reference 4500038449 11001477 00040	A08 Order nr. 59868 D
	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. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.16/-0.16 mm). Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09,B10,B11 Dimensions 1500 mm X 6 mm
		B13 Total Mass KG 26126
		B08 Total NR. 2
		A11 Dispatch Note 16944
		A10 Transport ANDREA

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

PROD-IDENT: 835136 MASS KG: 13078 NR: 1 CAST NR: S4086 B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	417	497	29.0	84

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	5.0	ISO-V	J	108	112	109	110

PROD-IDENT: 835135 MASS KG: 13048 NR: 1 CAST NR: S4086 B07,B08,B13

TENSILE TEST C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	417	497	29.0	84

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	5.0	ISO-V	J	108	112	109	110

CHEMICAL COMPOSITION in %

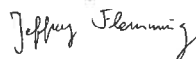
B07 CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb
S4086	0.068	1.004	0.012	0.006	0.009	0.032	0.016	0.029	0.028	0.003	0.024
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql				
S4086	0.003	0.0020	0.0000	0.001	0.002	0.030	0.245				

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, 12 April 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. 2021017523 00	A04 <h2 style="text-align: center;">TATA STEEL</h2>
	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 4500035578 NAANTALI 11004832 00010	A08 Order nr. 57494 A
	B01, B02, B03, B04, B15 Not rolled dry, Coil, S355MC, YMPRESS WG S: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 Rm (MPa)	C13 A (%)	C16 Rp0.2/Rm (%)
Bottom	Surface	Prismatical	+20	373	509	31.0	73
Middle	Longitudinal						

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	Surface	Prismatical	-20	0	10.0	ISO-V	J	302	326	317	315
Middle	Longitudinal										

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_ZO	C88 C-eq1				
S1199	0.004	0.0036	0.0000	0.001	0.001	0.030	289				

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, 12 February 2021

Jeffrey Flemming

Page 1 of 1 201_202

401 Tata Steel IJmuiden BV
 Meneer/Heer/Strat 1
 1961 ZJ Velsen Noord
 1970 CA IJmuiden The Netherlands
 Telephone: 8251-492116
 E-mail: info.testing@tatasteel.europa.com
402 Inspection certificate 3-1, EN10204.
 5500001060/00
403 Reference
 5500001060
404 Doc. no.
 2021013505 00
405 Doc. no.
 2021013505 00
 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 (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.
406 Customer/Company
 SERVICE CENTRE MAASTRICHT B.V.
 B. U. FEIJEN
 POSTBUS 10.000
 1970 CA IJMUIDEN
 NOORDHOLLAND
407 Order no.
 57737 A
408 Dispatch note
 74613
409 BIL Dimensions
 1500 mm X 8.00 mm
410 Transport
 VAGRANT

407 CAST MR	408 MASS kg	409 CAST MR.	410 NR	TENSILE TEST										IMPACT TEST AND OTHER TESTS											
				411 Temp °C	412 ReH MPa	413 Rel MPa	414 Rp0.2 MPa	415 Rm MPa	416 A %	417 Rm/Rm %	418 r- value	419 n- value	420 ES2	421 CR2	422 CR1/CR2	423 CR1/CR2	424 mm	425 Temp °C	426 ind. ind.	427 ind. ind.	428 ind. ind.	429 ASTM E-112			
607362	31850	1 S0092	32 1L P	+ 20	395		478	29.0	83							0	5.0	ISO-V	- 20	2	114	116	124	118	
607360	31860	1 S0094	32 1L P	+ 20	395		489	28.5	81							0	5.0	ISO-V	- 20	2	113	135	114	121	
607359	31920	1 S0096	32 1L P	+ 20	385		476	31.5	81							0	5.0	ISO-V	- 20	2	117	112	123	117	
TOTAL	95660	3																							

CHEMICAL COMPOSITION in %																				
430 CAST MR	431 PROD- IDENT	432 C	433 Mn	434 P	435 S	436 Si	437 Al	438 AI	439 Cu	440 Cr	441 Ni	442 Mo	443 Nb	444 V	445 N	446 B	447 C-eq	448 Al-20	449 Sn	450 Ti
S0092		0.074	0.987	0.010	0.004	0.010	0.030	0.007	0.022	0.022	0.019	0.002	0.024	0.002	0.0039	0.000	0.001	0.028	0.001	0.001
S0094		0.071	1.009	0.011	0.006	0.010	0.037	0.008	0.022	0.019	0.002	0.024	0.002	0.0040	0.000	0.000	0.001	0.036	0.001	0.001
S0096		0.064	0.979	0.014	0.004	0.011	0.029	0.008	0.024	0.018	0.002	0.021	0.003	0.0036	0.000	0.000	0.002	0.028	0.002	0.001

451 Contraction (%)
452 Shear area (%)
453 Later. exp. (mm)
454 1: Top Edge
455 2: Middle
456 3: Bottom
457 C-eq: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15
458 C1: Longitudinal
459 C2: Transverse
460 C3: Surface
461 C4: Surface both diagonal dir
462 C5: Surface both diagonal dir
463 C6: Perpendicular
464 C7: Cylindrical

465 STEELMAKING PROCESS: BO Page 1 of 1
 Tata Steel IJmuiden BV
 JEFFREY FLEMMING
 MGR. MECH. TESTING
 IJMUIDEN, 2 FEBRUARI 2021

466 Stamp of the expert :
467 good/good/Test de flexion : good/good/gut/concluant
468 We hereby confirm that we comply to the terms of our order
 acknowledgement and any agreed concessions
 0149715

TATA STEEL

401 Tata Steel IJmuiden BV
 Heerkebosstraat 1
 Postbus 10000
 1970 CA IJmuiden, The Netherlands
 Telephone: 0251-02119
 E-mail: inf@testingtatasteel.com

402 Inspection certificate 3.1, EN10204.
 4500035592/00010
 MAAKTAL
 4500035592/00010

403 Dec. nr
 2021013506 00

404 Customer/Order no.
 SERVICE CENTRE MAASTRICHT B.V.
 B.U. FEIJEN
 POSTBUS 10.000
 1970 CA IJMUIDEN
 NOORDHOLLAND

405 Order nr.
 57898 A

406 Dispatch note
 74813

407 All Dispatch note
 VAGRANT

408 1500 mm X 10.00 mm

409 1.00 G/M2/Side oiled.
 Mill edges.
 Impact test.
 Suitable for: Part galvanising, Cutting into sheet.
 Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.19/-0.19 mm).
 PRODUCE AND TEST ACCORDING TO EN 10149-2
 Country of melt and pour : The Netherlands.

PROD.-IDENT	MASS kg	NR	CAST NR.	TENSILE TEST										IMPACT TEST AND OTHER TESTS									
				E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20
607369	31820	1	S0092	32	1L	P	486	31.0	81	80	80	IL	P	0	7.4	ISO-V	-	20	2	229	207	203	213
607365	31940	1	S0094	32	1L	P	481	27.5	80	80	IL	P	0	7.5	ISO-V	-	20	2	227	191	200	206	
607368	32100	1	S0096	32	1L	P	479	31.0	80	80	IL	P	0	7.5	ISO-V	-	20	2	229	237	220	229	
TOTAL	95860	3																					

CAST NR.	PROD.-IDENT	CHEMICAL COMPOSITION in %														STEELMAKING PROCESS:				
		C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	AL-20	Sn	Ti	C-eq1
S0092		0.074	0.987	0.011	0.004	0.010	0.030	0.007	0.022	0.019	0.002	0.024	0.002	0.009	0.000	0.028	0.001	0.001	0.001	0.245
S0094		0.071	1.009	0.011	0.006	0.010	0.037	0.008	0.022	0.019	0.002	0.024	0.002	0.004	0.000	0.036	0.001	0.001	0.001	0.246
S0096		0.064	0.979	0.014	0.004	0.011	0.029	0.008	0.024	0.016	0.002	0.021	0.003	0.000	0.000	0.026	0.001	0.001	0.001	0.235

410 4: Contraction (%)
 5: Shear area (%)

411 1: J/cm²
 2: Later. exp. (mm)

412 1: Top
 2: Middle
 3: Bottom

413 1: Edge
 2: Middle
 3: Surface

414 1: Longitudinal
 2: Transverse
 3: Diagonal dir.

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

416 STEELMAKING PROCESS: BO Page 1 of 1

417 Tata Steel IJmuiden BV

418 Stamp of the expert :

419 JEFFREY FLEMING
 MGR. MECH. TESTING
 Jeffery Fleming

420 IJMUIDEN, 2 FEBRUARI 2021

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

422 01M49715

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. FRISSEY POSTBUS 10.000 1970 CA IJMUUDEN NOORDHOLLAND	A07, A09 Reference 4500035562 NAANTALI 11008865 00010	A08 Order nr. 57493 A
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, 6355MC, YMPRESS WG 9:01-2010. 1.00 G/M2/side oiled. Mill edges. Impact test. Suitable for: Part galvanising, Cutting into sheet. Tolerance EN 10051 : 2010 (E) (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	

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

PROD-IDENT: 607718 MASS KG: 31680 NR: 1 CAST NR: S0757 B07,B08,B13

TENSILE TEST C10-29

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

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	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 Temp (°C)	C11 Rp0.2 (MPa)	C12 Rm (MPa)	C13 A (%)	C16 Rp0.2/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	383	484	29.5	79

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	226	235	271	244

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
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