

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITTY OY KETJUTIE 4 27710 KÖYLIÖ FINLAND	Document Number	80465557
		Delivery Date	15.04.2021
		Sales Order Number	149302
		Sales Order Date	13.04.2021
		Purchase Order Number	006452
		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 KÖYLIÖ FINLAND		
Weight-Volume			
Total Gross Weight	9.988,00 KG		
Total Net Weight	9.988,00 KG		
Total Packages	4		

Shipping Details

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00	4010500	2.500,00	2.515,00	2.515,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001170170	Material ID	810445		
20	13002042 HRP,SHEET, 6.00X1500.00X3000.00	4010600	5.000,00	0,00	0,00 KG
Steel Grade	YMPRESS S355 MC				
Batch		Material ID			
30	13001616 Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00	4010800	2.500,00	2.543,00	2.543,00 KG
Steel Grade	S355				
Batch	0001175115	Material ID	606855		
900001	13002042 Hot Rolled Pickled,Sheet, 6.00X1500.00X3000.00	4010600	5.000,00	2.570,00	2.570,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001141061	Material ID	814853		
900002	13002042 Hot Rolled Pickled,Sheet,	4010600	5.000,00	2.360,00	2.360,00 KG

Material Certificate List

Information

Document Number 80465557
Delivery Date 15.04.2021

Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
Steel Grade	6.00X1500.00X3000.00				
Batch	YMPRESS S355 MC				
	0001147528	Material ID	6069681		

Tata Steel IJmuiden BV
 Handelsabstract 1
 1951 JZ Valsam Noord
 Postbus 18000
 1979 CA IJmuiden The Netherlands
 Telephone: 0251-492118
 Company Trade Register 5444831
 E-mail: info.testing@tatasteelnl.com

AVZ 7.009 Reference
 4500033631
 11001475
 00010
 2021000205 00

Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.
 1.00 G/M2/Slide 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.

Inspection certificate 3.1, EN10204.
 801.802.803.804.815

TATA STEEL

NAANTALI STEEL SERVICE CENTRE OY
 RAUTAKATU 5
 21110 NAANTALI
 FINLAND

AVZ order nr.: 56442 A
 1500 mm X 5 mm
 All Dispatch note: 65834

AVZ Transport: OSTBORG

IMPACT TEST AND OTHER TESTS

AVZ PROD.- IDENT	B15 MASS kg	B08 NR	AVZ CAST NR.	C10/C12		C05 Temp °C	C11 ReH MPa	C11 Rel MPa	C11 Rp0.2 MPa	C12 Rm MPa	C13 A %	C13 A %	C16 ReH/Rm %	C17 Value	C18 n- value	C32 HARD- NESS	IMPACT TEST AND OTHER TESTS					
				C01/ CB2	C10/ CB2												C01/ CB2	C01/ CB2	C01/ CB2	C01/ CB2	C01/ CB2	C01/ CB2
810414	10101	1	R8688	32	1L	20	383		464	34.5			83									
810415A	9971	1	"	32	1L	20																
810415B	9071	1	"	32	1L	20																
810418	10341	1	"	32	1L	20	395		473	34.0			84									
810419	10321	1	"	32	1L	20	395		473	34.0			84									
810420	10191	1	"	32	1L	20																
810368	10331	1	R8690	32	1L	20	389		475	34.0			82									
810369	10331	1	"	32	1L	20																
810370	10101	1	"	32	1L	20																
810443	10131	1	R8700	32	1L	20	395		473	34.0			84									
SUBTOTAL	100890																					

CHEMICAL COMPOSITION in %

AVZ CAST NR.	B17 C	B17 Mn	B23 P	B24 S	B25 Si	B26 Al	B27 Cu	B28 Cr	B29 Ni	B30 Mo	B31 Nb	B32 V	B33 N	B34 B	B35 C-eq	B36 Al-ZO	B37 Sn	B38 Ti	B39 C-eq1
R8688	0.875	0.489	0.015	0.005	0.007	0.029	0.007	0.024	0.021	0.081	0.024	0.003	0.0033	0.0000	0.028	0.028	0.002	0.001	0.164
R8690	0.876	0.499	0.015	0.005	0.010	0.040	0.006	0.025	0.021	0.082	0.027	0.003	0.0031	0.0000	0.039	0.039	0.001	0.001	0.167
R8700	0.869	0.484	0.014	0.007	0.011	0.037	0.007	0.019	0.020	0.081	0.026	0.003	0.0033	0.0000	0.035	0.035	0.001	0.001	0.156

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

Stamp of the expert :

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

Stamp of the expert :

Stamp of the expert : JEFFREY FLEMING MGR. HECH. TESTING

Stamp of the expert : Jeffery Fleming

Stamp of the expert : IJMUIDEN, 2 JANUARI 2021

Stamp of the expert : Tata Steel IJmuiden BV

Stamp of the expert : STEELMAKING PROCESS: B0 Page 1 of 2

Tata Steel IJmuiden BV
 Wendelschestrat 1
 1951 JZ Velsen Noord
 Postbus 10000
 1970 CA IJmuiden The Netherlands
 Telephone: 0251-492110
 Company Trade Register: 34940331
 E-mail: info_testing@tatasteel.eu; open@pe.com

Inspection certificate 3.1, EN10204.
 Doc. nr. 2021000205 00
 Order nr. 56442 A



809-A18-B11 Dimensions 1500 mm X 5 mm
 CI8-C29 TENSILE TEST
 CI0-550,555 IMPACT TEST AND OTHER TESTS

807	815	808	807	801	801/810	805	805	811	811	811	811	812	815	815	816	817	818	832	801/810	805	805	805	805	802	802	802	802	803
PROD.-IDENT	MASS Kg	NR	CAST NR.	CBZ	CBZ	Temp °C	R _{0.2} Mpa	R _H Mpa	R _L Mpa	R _{0.2} Mpa	R _m Mpa	A %	A %	R _H /R _m	r-value	n-value	HARDNESS	CBZ	mm	Temp °C	Ind.	Ind.	Ind.	Ind.	mean	ASTM E-112		
810444 810645	10111 9861	1	R8700 "	32	IL P	+ 20	395				473	34.0		84														
TOTAL		120862	12																									

CHEMICAL COMPOSITION in %

807	807	871	872	873	874	875	876	877	878	879	880	881	882	885	886	885	886	887	888	889
CAST NR.	PROD.-IDENT	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-Z0	Sn	Ti	C-eq1
R8700		.069	0.464	.014	.007	0.011	0.037	.007	0.019	0.020	.001	.026	.003	.0033	.0000		0.035	.001	.001	.15

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

Z05
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 Z25

Z01 We hereby confirm that we comply to the terms of our order
 acknowledge and any agreed concessions
 D1R0676E D1R09115
 JEFFREY FLEMMING
 MGR. MECH. TESTING
 IJMUIDEN, 2 JANUARI 2021

Tata Steel IJmuiden BV
 Industriestraat 1
 Postbus 18080
 1970 CA IJmuiden The Netherlands
 Telephone: +31-452118
 E-mail: info.tsteel@tatasteel.com

5500001066 WDA
 11008665
 450033646
 2021009576 00
 2021

Inspection certificate 3.1, EN10204.

TATA STEEL

SERVICE CENTRE MAASTRICHT B.V.
 B.U. FEIJEN
 POSTBUS 10.000
 1970 CA IJMUUDEN
 NOORDHOLLAND

Hot rolled pickled, Coil, S355MC, YMPRESS W6 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 malt and pour : The Netherlands.

1500 mm X 8.00 mm
 70387
 SEIMPOST

PROD.-IDENT	MASS Kg	NR	CAST NR.	Temp °C	Rel. MPa	Rel. MPa	R _{0.2} MPa	R _m MPa	A %	A %	Rel./R _m %	r-value	n-value	HARDNESS	IMPACT TEST AND OTHER TESTS	ASTM E-112
606854	31880	1	R7792	+ 20	402	402	495	30.5	0.030	0.000	81	0.035	0.001	IL P	5.0 ISO-V	115 118 121 118
606852	31880	1	R7796	+ 20	393	401	487	30.0	0.030	0.000	81	0.028	0.001	IL P	5.0 ISO-V	120 112 114 115
6068531	28860	1	R7796	+ 20	401	401	487	30.0	0.029	0.001	82	0.032	0.001	IL P	5.0 ISO-V	102 104 107 104
606855	31840	1	R7799	+ 20	400	400	495	30.5	0.029	0.001	81	0.032	0.001	IL P	5.0 ISO-V	131 121 126 126
TOTAL	124460	4														

CHEMICAL COMPOSITION in %

CAST NR.	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-bq	Al-ZO	Sn	Ti	C-eql
R7792	0.72	1.030	0.016	0.005	0.011	0.336	0.006	0.026	0.016	0.003	0.026	0.003	0.030	0.000	0.000	0.035	0.001	0.001	0.251
R7794	0.76	1.040	0.013	0.006	0.008	0.029	0.008	0.020	0.016	0.003	0.023	0.003	0.030	0.000	0.000	0.028	0.001	0.001	0.256
R7799	0.74	1.018	0.015	0.004	0.009	0.033	0.007	0.031	0.016	0.002	0.023	0.002	0.029	0.001	0.001	0.032	0.001	0.001	0.252

1: J/cm²
 2: Later. exp. (mm)
 3: Contraction (Z)
 4: Shear area (Z)

STEELMAKING PROCESS: BO Page 1 of 1
 Tata Steel IJmuiden BV

CS9 Buigproef/bend test/Biegeversuch/Test de flexion : good/good/gut/concluant
 Stamp of the expert :

IJMUUDEN, 25 JANUARI 2021
 JEFFREY FLEMING
 MGR. MECH. TESTING
Jeffrey Fleming

AB1 Tata Steel IJmuiden BV
 Henekebaanstrat 1
 Postbus 18000
 1970 CA IJmuiden The Netherlands
 Telephone: 0251-492110
 E-mail: info_testing@tatasteel-europe.com
AB2 Reference: 4500031865
 11001477
 00040
AB3 Doc. nr: 2021013147 00
AB4 Inspection certificate 3.1, EN10204.
AB5 B01.B02.B03.B04.B15

AB6 Customer/Consigne: NAANTALI STEEL SERVICE CENTRE OY
 RAUTAKATU 5
 21110 NAANTALI
 FINLAND

AB7 Order nr.: 54701 D
AB8 All Dispatch note: 74645
AB9 Transport: SYDBORG

AB10 Dimensions: 1500 mm X 6 mm
AB11 TENSILE TEST
AB12 HARDNESS
AB13 IMPACT TEST AND OTHER TESTS

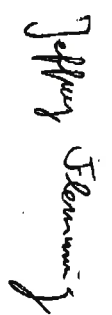
AB7	AB15	AB16	AB17	AB18	AB19	AB20	AB21	AB22	AB23	AB24	AB25	AB26	AB27	AB28	AB29	AB30	AB31	AB32	AB33	AB34	AB35	AB36	AB37	AB38	AB39	AB40	AB41	AB42	AB43	AB44	AB45	AB46	AB47	AB48	AB49	AB50
PROD. IDENT	MASS Kg	NR	CAST NR.	Temp °C	R _H Mpa	R _{el} Mpa	R _{p0.2} Mpa	R _m Mpa	A %	A %	R _H /R _m %	r-value	n-value	TEMP °C	ind.	ind.	ind.	mean	ASTM E-112																	
814853 814854	14877 13928	1	S0094	+ 20	415		492	30.0			84			- 20	2	110	105	115	110																	
TOTAL	28805	2																																		

AB51 CHEMICAL COMPOSITION in %

AB52	AB53	AB54	AB55	AB56	AB57	AB58	AB59	AB60	AB61	AB62	AB63	AB64	AB65	AB66	AB67	AB68	AB69		
CAST NR.	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-ZO	Sn	Ti	C-eq1
S0094	0.71	1.099	0.011	0.006	0.010	0.037	0.008	0.022	0.019	0.002	0.024	0.002	0.0040	0.0000	0.836	0.001	0.001	0.246	

AB70 STEELMAKING PROCESS: B0 Page 1 of 1

AB71 C50 Buigproef/Band test/Biegeversuch/Test de flexion : goed/good/gut/concluant
AB72 Stamp of the expert :

AB73 Z01 We hereby confirm that we comply to the terms of our order
 acknowledge and any agreed concessions
AB74 JIMUIDEN, 2 FEBRUARI 2021
AB75 JEFFREY FLEMING
 MGR. MECH. TESTING




A01 Tata Steel IJmuiden BV
 Handelsbeheerstraat 1
 Postbus 10000
 1970 CA IJmuiden The Netherlands
 Telephone: 8251-692110
 Company Trade Register: 54060551
 E-mail: info_cstm@tatasteel.nl; tse@tse.com

A02 Reference: 4500033890
 11001477
 000440
 Inspection certificate 3.1, EN10204.
 B01.B02.B03.B04.B15

A03 Doc. nr: 2021013153 00

A04 Customer/Contact: NAANTALI STEEL SERVICE CENTRE OY
 RAUTAKATU 5
 21110 NAANTALI
 FINLAND

A05 Order nr.: 564444 D
 ALL Dispatch note: 74645
 A10 Transport: SYDBORG

Hot rolled pickled, Coil, S355MC, VMPRESS 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 : The Netherlands.

TATA STEEL

A06 Dimensions: 1500 mm X 6 mm
A07 CLP-429

TENSILE TEST

PROD.-IDENT	MASS Kg	NR	CAST NR.	IP1	IP2	IP3	IP4	IP5	IP6	IP7	IP8	IP9	IP10	IP11	IP12	IP13	IP14	IP15	IP16	IP17	IP18	HARDNESS	IP19	IP20	IP21	IP22	IP23	IP24	IP25	IP26	IP27	IP28	IP29	IP30
6069681	14700	1	R8302	32	1L	P	+	20	411						489	25.0			84					1L	P	0	5.0	ISO-V	-20	2	117	137	123	126
TOTAL		14700	1																															

CHEMICAL COMPOSITION in %

IP31	IP32	IP33	IP34	IP35	IP36	IP37	IP38	IP39	IP40	IP41	IP42	IP43	IP44	IP45	IP46	IP47	IP48	IP49	IP50
C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-ZO	Sn	Ti	C-eq1	
0.075	1.017	0.012	0.005	0.009	0.029	0.006	0.021	0.022	0.002	0.022	0.003	0.0025	0.0000	0.028	0.001	0.001	0.252		

IMPACT TEST AND OTHER TESTS

IP51	IP52	IP53	IP54	IP55	IP56	IP57	IP58	IP59	IP60	IP61	IP62	IP63	IP64	IP65	IP66	IP67	IP68	IP69	IP70
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

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

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

JEFFREY FLEMING
 MGR. MECH. TESTING
Jeffrey Fleming

IJMUIDEN, 2 FEBRUARI 2021

Tata Steel IJmuiden BV
 STEELMAKING PROCESS: B0
 Page 1 of 1