

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		

A01 Tata Steel IJmuiden BV
 Handelsabstract 1
 Postbus 18000
 1970 CA IJmuiden The Netherlands
 Telephone: 0251-492118
 E-mail: info_testing@tatasteelnl.com
A02 Reference
 4500033631
 11001675
 00010
A03 Inspection certificate 3.1, EN10204.
A04 801,802,803,804,815
A05 Doc. nr
 2021000205 00
A06 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.
 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.

A07 Order nr.
 56442 A
A08 All Dispatch note
 65834
A09 Transport
 OSTBORG
A10 1500 mm X 5 mm
A11 1008990
A12 10

A13 PROD.-IDENT
A14 MASS
A15 NR
A16 CAST NR.
A17 R8688
A18 10101
A19 9971
A20 810415A
A21 810415B
A22 810418
A23 810419
A24 810420
A25 810368
A26 810369
A27 810370
A28 810443
A29 SUBTOTAL
A30 1008990
A31 10

A32 TENSILE TEST
A33 Temp °C
A34 R_{0.2} MPa
A35 R_m MPa
A36 A %
A37 A %
A38 R_{0.2}/R_m %
A39 Value
A40 n-value
A41 HARDNESS
A42 VALUE
A43 VALUE
A44 VALUE
A45 VALUE
A46 VALUE
A47 VALUE
A48 VALUE
A49 VALUE
A50 VALUE
A51 VALUE
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A98 VALUE
A99 VALUE
A100 VALUE

A101 CHEMICAL COMPOSITION in %
A102 C
A103 Mn
A104 P
A105 S
A106 Si
A107 Al
A108 Cu
A109 Cr
A110 Ni
A111 Mo
A112 Nb
A113 V
A114 N
A115 B
A116 C-eq
A117 Al-Zn
A118 Sn
A119 Ti
A120 C-eq1
A121 C
A122 Mn
A123 P
A124 S
A125 Si
A126 Al
A127 Cu
A128 Cr
A129 Ni
A130 Mo
A131 Nb
A132 V
A133 N
A134 B
A135 C-eq
A136 Al-Zn
A137 Sn
A138 Ti
A139 C-eq1

A140 IMPACT TEST AND OTHER TESTS
A141 VALUE
A142 VALUE
A143 VALUE
A144 VALUE
A145 VALUE
A146 VALUE
A147 VALUE
A148 VALUE
A149 VALUE
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A196 VALUE
A197 VALUE
A198 VALUE
A199 VALUE
A200 VALUE

A201 STEELMAKING PROCESS: BO
A202 Page 1 of 2
A203 Tata Steel IJmuiden BV
A204 Stamp of the expert :
A205 JEFFREY FLEMING
A206 MGR. HECH. TESTING
A207 IJMUIDEN, 2 JANUARI 2021

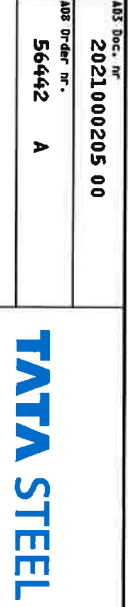
A208 Z01 We hereby confirm that we comply to the terms of our order
 acknowledge and any agreed concessions
A209 D1R0675E
A210 D1R0675E



Tata Steel IJmuiden BV
 Wendelschestrac 1
 1951 JZ Velsen Noord
 Postbus 10009
 1970 CA IJmuiden The Netherlands
 Telephone: 0251-492119
 Company Trade Register 34948331
 E-mail: info_testing@tatasteel.eu; ops.com

Inspection certificate 3.1, EN10204.

Doc. nr 2021000205 00
 Order nr. 56442 A



Dimensions		TENSILE TEST		HARDNESS		IMPACT TEST AND OTHER TESTS		
1500 mm X	5 mm	RAH	RAE	RAH	RAE	RAH	RAE	RAH

PROD. - IDENT	MASS Kg	NR	CAST NR.	Temp °C	R _H Mpa	R _L Mpa	R _{p0.2} Mpa	R _m Mpa	A %	A %	R _H /R _m	r-value	n-value	HARDNESS	Temp °C	Ind.	Ind.	Ind.	mean	ASTM E-112
810444 810445	10111 9861	1	R8700 "	20	395			473	34.0		84									
TOTAL																				

CHEMICAL COMPOSITION in %

CAST NR.	PROD. - IDENT	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-ed1	Al-Z0	Sn	Ti	C-ed1
R8700		.069	0.484	.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 :

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

JEFFREY FLEMING
 MGR. MECH. TESTING
 J. Fleming

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
 801.002.BEL.NM.B15

202109576 00
 202109576 00

Inspection certificate 3.1, EN10204.

TATA STEEL

SEVICE 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
 1500 mm X 8.00 mm
 70387
 SEIMPOST

PROD. IDENT	MASS kg	NR	CAST NR.	TENSILE TEST		HARDNESS		IMPACT TEST AND OTHER TESTS								
				R _m MPa	A %	HR15	HR18	HR30	HR35	HR40	HR45	HR50	HR55			
606854	31880	1	R7792	32 1L P	495 30.5	81	IL P	0	5.0	ISO-V	-20	2	115	118	121	118
606852	31880	1	R7796	32 1L P	487 30.0	82	IL P	0	5.0	ISO-V	-20	2	120	112	114	115
6068531	28860	1	R7796	32 1L P	487 30.0	82	IL P	0	5.0	ISO-V	-20	2	102	104	107	104
606855	31840	1	R7799	32 1L P	495 30.5	81	IL P	0	5.0	ISO-V	-20	2	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	0.0030	0.0000	0.035	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	0.0030	0.0000	0.026	0.026	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	0.0029	0.0001	0.032	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/Consignee: 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	TI	C-ed1	mm	Temp °C	Ind.	Ind.	Ind.	mean	ASTM E-112														
814853 814854	14877 13928	1	S0094	+ 20	415		492	30.0			84				11 P	0	5.1 ISO-V	- 20	2	110	105	115	110													
TOTAL	28805	2																																		

AB51 CHEMICAL COMPOSITION in %

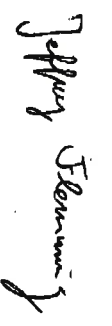
AB52	AB53	AB54	AB55	AB56	AB57	AB58	AB59	AB60	AB61	AB62	AB63	AB64	AB65	AB66	AB67	AB68	AB69	
CAST NR.	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-ed1	Al-ZO	Sn	Ti
S0094	0.71	1.099	0.011	0.006	0.010	0.037	0.008	0.022	0.019	0.002	0.024	0.002	0.0040	0.0000	0.036	0.001	0.001	0.246

AB70 STEELMAKING PROCESS: B0

AB71 Page 1 of 1

AB72 C50 Buigproef/Band test/Biegeversuch/Test de flexion : goed/good/gut/concluant
AB73 Stamp of the expert :

AB74 Z01 We hereby confirm that we comply to the terms of our order
 acknowledge and any agreed concessions
AB75 JIMUIDEN, 2 FEBRUARI 2021

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
 2021013153 00
 000440
 Inspection certificate 3.1, EN10204.
 B01.B02.B03.B04.B15

A03 Doc. nr: 2021013153 00
 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.

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

A06 B01


IMP-410-BILL Dimensions
 1500 mm X 6 mm
 C19-C29

TENSILE TEST

PROD.-IDENT	MASS Kg	NR	NR.	CAST NR.	Temp °C	R _{eh} Mpa	R _{el} Mpa	R _{p0.2} Mpa	R _m Mpa	A %	A %	R _{oH} /R _m %	F-value	n-value	HARDNESS	IMPACT TEST AND OTHER TESTS			
6069681	14700	1	R8302	32	11 P	+ 20	411		489	25.0		84			11 P 0	5.0 ISO-V	- 20 2	117 137 123 126	
TOTAL		14700	1																

CHEMICAL COMPOSITION in %

PROD.-IDENT	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-ZO	Sn	Ti	C-eq1
R8302	.075	1.017	.012	.005	0.009	0.029	.006	0.021	0.022	.002	.022	.003	.0026	.0000	0.028	.001	.001	.252	

IMPACT TEST AND OTHER TESTS

1: J/cm ²	2: Later. exp. (mm)	3: Contraction (%)	4: Shear area (%)
117	137	123	126

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

Z02 STEELMAKING PROCESS: B0 Page 1 of 1
 Tata Steel IJmuiden BV
 JEFFREY FLEMING
 MGR. MECH. TESTING
 IJMUIDEN, 2 FEBRUARI 2021

Z03

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