

Material Certificate List

Shipping Address		Information	
Ship-to-party	TAMMINIITY OY KETJUTIE 4 27710 KIIYLI FINLAND	Document Number	80470132
		Delivery Date	22.04.2021
		Sales Order Number	150427
		Sales Order Date	20.04.2021
		Purchase Order Number	006488
		Customer Number	201512
Buyer		Mode of Transportation	
Sold to Party	TAMMINIITY OY KETJUTIE 4 27710 KIIYLI 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	7.720,00 KG	Certificate Receiver	myynti@tamminiity.fi
Total Net Weight	7.720,00 KG		
Total Packages	3		

Shipping Details					
Item	Material Description	Cust. Prod Code	Ordered Quantity	Delivered Quantity	Weight
10	13002039 HRP,SHEET, 3.00X1500.00X3000.00	4010300	5.200,00	0,00	0,00 KG
Steel Grade	YMPRESS S355 MC				
Batch		Material ID			
20	13002042 Hot Rolled Pickled,Sheet, 6.00X1500.00X3000.00	4010600	2.600,00	2.580,00	2.580,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001221037	Material ID	824682		
900001	13002039 Hot Rolled Pickled,Sheet, 3.00X1500.00X3000.00	4010300	5.200,00	2.570,00	2.570,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001140514	Material ID	810293		
900002	13002039 Hot Rolled Pickled,Sheet, 3.00X1500.00X3000.00	4010300	5.200,00	2.570,00	2.570,00 KG
Steel Grade	YMPRESS S355 MC				
Batch	0001161846	Material ID	815587		

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. 2021027663 00	A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204, A07, A09 Reference 4500035855 11001477 00040 A08 Order nr. 57614 D	
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, Impact Test: Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.15/-0.16 mm). Country of melt and pour: The Netherlands	C70 STEEL MAKING PROCESS: BO B09,B10,B11 Dimensions 1500 mm X 6 mm B13 Total Mass KG 29604 B08 Total NR. 2 A11 Dispatch Note 85051 A10 Transport LINDEBERG

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

PROD-IDENT: 824682 MASS KG: 14667 NR: 1 CAST NR: S2007 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	401	478	29.5	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	101	108	112	107

PROD-IDENT: 824681 MASS KG: 14937 NR: 1 CAST NR: S2007 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	401	478	29.5	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	101	108	112	107

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	
S2007	0.069	0.999	0.014	0.006	0.007	0.033	0.007	0.021	0.017	0.002	0.023	
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql					
S2007	0.002	0.0021	0.0000	0.001	0.001	0.032	0.242					

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, 6 March 2021

Z04

AD1 Tata Steel IJmuiden BV
 Menekebeekstraat 1
 1951 ZJ Velsen Noord
 19500S IJmuiden, The Netherlands
 Telephone: 0251-492110
 E-mail: info.testing@tatasteel-europe.com

AD2 Inspection certificate 3.1, EN10204.
 00020
 B01.B02.B03.B04.B15

AD3 Reference
 4500031885
 11001464

AD4 Doc. nr.
 2021000200 00

AD5 Customer/consignor
 NAANTALI STEEL SERVICE CENTRE OY
 RAUTAKATU 5
 21110 NAANTALI
 FINLAND

AD6 Dispatch note
 65834

AD7 Transport
 OSTBORG

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 +0.13/-0.13 mm).
 PRODUCE AND TEST ACCORDING TO EN 10149-2
 Country of melt and pour : The Netherlands.

B07 PROD. IDENT	B15 MASS kg	B08 NR	B07 CAST NR.	TENSILE TEST										IMPACT TEST AND OTHER TESTS														
				C01 150 mm X 3.00 mm	C02 C01/C10	C03 B05	C04 Temp °C	C05 ReH MPa	C06 ReL MPa	C07 Rm MPa	C08 Rp0.2 MPa	C09 A %	C10 A %	C11 R _{eh} /R _m %	C12 r-value	C13 n-value	C14 ES2	C15 ES2	C16 C01/C10	C17 B05	C18 mm	C19 Temp °C	C20 ind. ind. ind.	C21 C42	C22 C42	C23 C45	C24 ASTM E-112	
810291	10341	1	R6688	32	11	P	+ 20	397		484	34.0	82																
810292	10301	1	"																									
810293	10361	1	"																									
TOTAL	31003	3																										

B07 CAST NR.	CHEMICAL COMPOSITION in %															HARDNESS			IMPACT TEST AND OTHER TESTS												
	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb	C82 V	C83 N	C84 B	C85 C-eq	C86 Ti	C87 Sn	C88 A1-Z0	C89 C-eq1	C90 ES2	C91 ES2	C92 ES2	C93 ES2	C94 ES2	C95 ES2	C96 ES2	C97 ES2	C98 ES2	C99 ES2	C100 ES2	
R6688	.075	0.469	.015	.005	0.007	0.029	.007	0.024	0.021	.001	.024	.003	.0033	.0000	.164	.001	.002	.028	.002	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001

C71-C92 1: J/cm²
 2: J
 3: Later. exp. (mm)
 4: Contraction (%)
 5: Shear area (%)

C91 1: Top
 2: Edge
 3: Middle
 4: Bottom
 C-eq1: C + Mn/6 + Cr + Mo + V/5 + (Ni + Cu)/15

C71 STEELMAKING PROCESS: B0 Page 1 of 1

C92 Stamp of the expert :
 Tata Steel IJmuiden BV

Z05 B04

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

Z06 JEFFREY FLEMING
 MGR. MECH. TESTING
Jeffrey Fleming

Z07 IJMUIDEN, 2 JANUARI 2021

