

**AB1** Tata Steel IJmuiden BV  
 Henkebochstraat 1  
 1951 JZ Welsen Noord  
 Postbus 10000  
 1970 CA IJmuiden the Netherlands  
 Telephone: 0251-492110  
 Company Trade Register 54040351  
 E-mail: info.testing@tatasteel-europe.com

**AB2** Inspection certificate 3.1, EN10204.  
 00010  
 B01, B02, B05, B04, B15

**AB3** Doc. nr  
 2021000205 00

**AB4** Customer/Consigmeer  
 NAANTALI STEEL SERVICE CENTRE OY  
 RAUTAKATU 5  
 21110 NAANTALI  
 FINLAND

**AB5** Order nr.  
 56442 A

**AB6** Dispatch note  
 65834

**AB7** AIB 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 +0.15/-0.15 mm).  
 Country of melt and pour : The Netherlands.

TENSILE TEST		IMPACT TEST AND OTHER TESTS																				
PROD. IDENT	MASS kg	NR	CAST NR.	5 mm	Temp °C	ReH MPa	Rel MPa	Rp0.2 MPa	Rm MPa	A %	A %	ReH/Rm %	r-value	n-value	C52	C51	C40, C60, C65	Temp °C	C42 ind. ind.	C43 mean	C45 ASTM E-112	
810414	10101	1	R8688	32 1L P	+ 20	383		464	464	34.5		83										
810415A	9971	1	"																			
810415B	9071	1	"																			
810418	10341	1	"	32 1L P	+ 20	395		473	473	34.0		84										
810419	10321	1	"																			
810420	10191	1	"																			
810368	10331	1	R8690	32 1L P	+ 20	389		475	475	34.0		82										
810369	10331	1	"																			
810370	10101	1	"																			
810443	10131	1	R8700	32 1L P	+ 20	395		473	473	34.0		84										
<b>SUBTOTAL</b>	<b>100890</b>	<b>10</b>																				

CHEMICAL COMPOSITION in %																				
CAST NR.	PROD. IDENT.	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	Al-ZO	Sn	Ti	C-eq1
R8688		0.075	0.489	0.015	0.005	0.007	0.029	0.007	0.024	0.021	0.001	0.024	0.003	0.0033	0.0000	0.028	0.002	0.001	0.001	0.164
R8690		0.076	0.499	0.015	0.005	0.010	0.040	0.006	0.025	0.021	0.002	0.027	0.003	0.0031	0.0000	0.039	0.001	0.001	0.001	0.167
R8700		0.069	0.484	0.014	0.007	0.011	0.037	0.007	0.019	0.020	0.001	0.026	0.003	0.0033	0.0000	0.035	0.001	0.001	0.001	0.156

**AB8** C50 Buigproef/bend test/Biegeversuch/Test de flexion : goed/good/gut/concluant

**AB9** Stamp of the expert :

**AB10** Tata Steel IJmuiden BV

**AB11** JEFFREY FLEMING  
 MGR. MECH. TESTING  
*Jeffrey Fleming*

**AB12** IJMUIDEN, 2 JANUARI 2021

**AB13** STEELMAKING PROCESS: B0 Page 1 of 2

**AB14** 1: J/cm<sup>2</sup> 4: Contraction (%)  
 2: J 5: Later. exp. (mm)  
 3: Later. exp. (mm)

**AB15** C01 C02 C03 C04 C05 C06 C07 C08 C09 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20  
 1=Top 2=Middle 3=Bottom C01=C02=C03=C04=C05=C06=C07=C08=C09=C10=C11=C12=C13=C14=C15=C16=C17=C18=C19=C20  
 1=Surface 2=Centre 3=Surface C01=C02=C03=C04=C05=C06=C07=C08=C09=C10=C11=C12=C13=C14=C15=C16=C17=C18=C19=C20  
 1=Top 2=Middle 3=Bottom C01=C02=C03=C04=C05=C06=C07=C08=C09=C10=C11=C12=C13=C14=C15=C16=C17=C18=C19=C20  
 1=Surface 2=Centre 3=Surface C01=C02=C03=C04=C05=C06=C07=C08=C09=C10=C11=C12=C13=C14=C15=C16=C17=C18=C19=C20

**AB16** Z01 We hereby confirm that we comply to the terms of our order  
 acknowledgement and any agreed concessions

**AB17** 01W675E 01W497TS