

TATA STEEL

Yata Steel IJmuiden BV
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 1970 CA IJmuiden The Netherlands
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 Company Trade Register 50400551
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Inspection certificate 3.1, EM10204.

00010

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).

110014640000144342

Purchase Order: 4500002829
Vendor Batch: 751993

110014640000144343

Purchase Order: 4500002829
Vendor Batch: 751994

TENSILE TEST								IMPACT TEST AND OTHER TESTS															
PROD. IDENT	MASS kg	NR	CAST NR.	1500 mm X 3.00 mm	Temp °C	ReH MPa	Rm MPa	A %	A %	ReH/Rm %	r ⁻ value	n ⁻ value	ESF	ESK	ESL	ESM	ESN	EST	Temp °C	ind. ind. mean	ASTM E-112		
E10	E08	E09	E07	E06	E05	E11	E12	E13	E14	E15	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	
751992	10490	1	H9432	32 1L P	+ 20	401	474	33.0		85													
751993	10430	1	"																				
751994	10360	1	"																				
TOTAL																							
<p>110014640000144341</p> <p>Purchase Order: 4500002829 Vendor Batch: 751992</p>																							

CHEMICAL COMPOSITION in %																										
C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq	AI-ZO	Sn	Ti	C-eq1	HARDNESS		ESK	ESL	ESM	ESN	EST	
E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40-E45		E46	E47	E48	E49	E50	
0.067	0.496	0.010	0.007	0.007	0.040	0.006	0.015	0.017	0.001	0.027	0.002	0.0019	0.0000	0.039	0.002	.001	.001	.155								
<p>1: J/cm²</p> <p>2: Later. exp. (MB)</p> <p>3: Contraction (Z)</p> <p>4: Shear area (Z)</p> <p>E41 1: Top</p> <p>E42 2: Edge</p> <p>E43 3: Middle</p> <p>E44 4: Bottom</p> <p>E45 5: Bottom</p> <p>E46 1: Longitudinal</p> <p>E47 2: Surface</p> <p>E48 3: In 45° dir.</p> <p>E49 4: Surface</p> <p>E50 5: Diagonal dir.</p> <p>E51 Perismatical</p> <p>E52 Cylindrical</p> <p>E53 C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15</p>																										
Stamp of the expert :																		Tata Steel IJmuiden BV								
SIMON BRAAM MANAGER TESTING																		S.P. Braam								
We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions																		110014649715								
01/10/16/5E																		IJMUIDEN, 3 JANUARI 2018								