

**TATA STEEL**

403 Inspection certificate 3.1, EN10204.

NAANTALI STEEL SERVICE CENTRE 00020

407.409 Reference 4500023596 11008861

405 Doc. nr 2020049853 00

Hot rolled pickled, Coil, S650MC, YMPRESS WG S:01-2010. Mill edges. Suitable for: Cutting into sheet.

406 Customer/Consignee SERVICE CENTRE MAASTRICHT B.V. B.U. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND

408 Order nr. 58504 B 87402

410 Transport CONFIAANT

409.810.811 Dimensions 1500 mm X 4.00 mm

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TENSILE TEST										IMPACT TEST AND OTHER TESTS										
407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427
PROD. IDENT	MASS kg	NR	CAST NR.	1500 mm X 4.00 mm	R <sub>eL</sub> MPa	R <sub>m</sub> MPa	A %	A %	R <sub>p0.2</sub> MPa	R <sub>p</sub> /R <sub>m</sub> %	r <sub>m</sub> value	n <sub>m</sub> value	Temp °C	mm	ind. ind.	ind. ind.	ind. ind.	mean	ASTM E-112	
604833	31680	1	P7904	32 11 P	796	841	17.5			95										
TOTAL	31680	1																		

CHEMICAL COMPOSITION in %														
428	429	430	431	432	433	434	435	436	437	438	439	440	441	442
C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb	V	N	B	C-eq1
0.059	1.865	0.015	0.001	0.052	0.034	0.019	0.023	0.021	0.007	0.069	0.006	0.0053	0.0000	0.300

443 1: J/cm<sup>2</sup> 4: Contraction (%) 5: Shear area (%)

444 1: Later. exp. (mm)

445 1: Top 2: Edge 3: Middle 4: Bottom

446 1: Longitudinal 2: Transverse 3: Surface 4: Diagonal dir

447 C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

448 STEELMAKING PROCESS: B0 Page 1 of 1

Stamp of the expert : Tata Steel IJmuiden BV

ANDRE GILLEBAART GM PRODUCTANALYSIS

IJMUIDEN, 28 MEI 2020

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

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