



Marcegaglia  
46040 Via Bresciani, 16-Gazoldo degli Ippoliti Mantova-Italy  
Tel. +39 - 0376 685 1 Fax. +39 - 0376 685 600  
www.marcegaglia.com

Stab. di S.Giorgio di Nogaro:  
via Enrico Fermi 33, 33058 S.Giorgio di Nogaro-Udine  
tel+390431624111 fax 0431624222

Type Inspection Certificate 3.1 EN 10204

THIS DOCUMENT WAS PRODUCED AUTOMATICALLY  
AND IS VALID WITHOUT SIGNATURE

Number 16023645376

Issued On 29/09/2023

**Product: Hot Rolled Heavy Plates**  
**Standard: EN683-1:2018**  
**Steel Grade: C45+N**

Customer  
UNIONOCEL S.R.O.  
BAVORSKA 2780  
155 00 PRAHA 5 - STODULKY CZ

Code: 0000039033

Del. Address  
UNIONOCEL s.r.o.  
Vlečka Tatra, Panská 1444/14  
742 21 KOPRIVNICE CZ

Delivery Nn 8930223918  
Of 29/09/2023  
Delivery note nr 1060012495

Quality Control  
Q.M.D./Q.M. M.Quargnali  
Plant S. Giorgio di Nogaro

Pages  
1/4

Material  
**LTS**

**Surface Quality: EN10163-2 CL B3**

Delivery Condition: NORMALIZED IN FURNACE  
Steel Making Process: BO= Basic oxygen

Order Nr  
**1191643491/70**

Client Order  
**23-01581**

Description  
**40,00 X 2000,00 X 6000,00 C45+N**

**Flatness: rif EN 10029 cl. N**

**Tolerances: EN10029 CLASSE B**

Part Number

Client Date  
**6/23/2023**

Item	Identification Nr	Heat	Quantity KG	Quantity PZZ	Remarks:
1	23EF012099	2383000778	3768	1	ULTRASONIC TEST: EN 10160 S1E1 EN683-1 Ed.2018 Heat treatment : temperature 850°C +/- 10°C, soaking time: 30 min/inc , cooling in still air

Identification Nr	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Cu (%)	Al (%)	Mo (%)	Nb (%)	V (%)	Ti (%)	N (%)	Ceq (%)
23EF012099	.42 .5	0.5 0.8	0.1 0.4	0.045	0.045	0.4	0.4		0.06	0.1					.57

Identification Nr	Rm [N/mm <sup>2</sup> ]	ReH [N/mm <sup>2</sup> ]	A% (%)	HB
23EF012099	580	305	16	186

Ultrasonic control										Firma	
Equipment	Serial number	Surface conditions	Couplant	Procedure	Calibration						III livEN/ISO9712
Gilardoni RDG/700	I001288	As Rolled	Water	According To Specification	According To Specification						Q.M.D. M.Quargnali
Item	Standard of reference	Acceptance criteria	Result	Indications	Reticle	Edges	Probe	Frequency	Angle	(1)Location:1=Top;2=Bottom;(2)Location:1/2=1/2 thickness;P=surface;1/4=1/4 thickness.(3)Direction:L=Longitudinal;T=Trasverse;(4)Specimen Thickness	
1	EN10160	CL.S1 E1	Ok	Not founded	200x200mm	50	BDD20/4	4 MHz	0°	DescrizioneMarchi	
- Material Free of radioactive contamination - Dimensional check and visual examination of the surface condition: without objection - We Declare that the above mentioned plates are in compliance with the order prescription - We hereby declare that the above mentioned material have been rolled in Italy, thus of European Community origin											





Marcegaglia  
46040 Via Bresciani, 16-Gazoldo degli Ippoliti Mantova-Italy  
Tel. +39 - 0376 685 1 Fax. +39 - 0376 685 600  
www.marcegaglia.com

Stab. di S.Giorgio di Nogaro:  
via Enrico Fermi 33, 33058 S.Giorgio di Nogaro-Udine  
tel+390431624111 fax 0431624222

Type Inspection Certificate 3.1 EN 10204

THIS DOCUMENT WAS PRODUCED AUTOMATICALLY  
AND IS VALID WITHOUT SIGNATURE

Number 16023645376

Issued On 29/09/2023

Product: Hot Rolled Heavy Plates

Standard: EN683-1:2018

Steel Grade: C45+N

Customer  
UNIONOCEL S.R.O.  
BAVORSKA 2780  
155 00 PRAHA 5 - STODULKY CZ

Code: 0000039033

Del. Address  
UNIONOCEL s.r.o.  
Vlečka Tatra, Panská 1444/14  
742 21 KOPRIVNICE CZ

Delivery Nn 8930223918  
Of 29/09/2023  
Delivery note nr 1060012495

Quality Control  
Q.M.D./Q.M. M.Quargnali  
Plant S. Giorgio di Nogaro

Pages  
2/4

Material  
LTS  
Description  
50,00 X 2000,00 X 6000,00 C45+N

Surface Quality: EN10163-2 CL B3

Flatness: rif EN 10029 cl. N

Tolerances: EN10029 CLASSE B

Delivery Condition: NORMALIZED IN FURNACE  
Steel Making Process: BO= Basic oxygen

Order Nr  
1191643491/80

Client Order  
23-01581

Part Number

Client Date  
6/23/2023

Item	Identification Nr	Heat	Quantity KG	Quantity PZZ	Remarks:
1	23EF012117	23301264	4710	1	ULTRASONIC TEST: EN 10160 S1E1 EN683-1 Ed.2018 Heat treatment : temperature 850°C +/- 10°C, soaking time: 30 min/inc , cooling in still air

Identification Nr	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Cu (%)	Al (%)	Mo (%)	Nb (%)	V (%)	Ti (%)	N (%)	Ceq (%)
23EF012117	0.42	0.5	0.1	0.045	0.045	0.4	0.4	0.06	0.1						
	0.5	0.8	0.4												

Identification Nr	Rm [N/mm <sup>2</sup> ]	ReH [N/mm <sup>2</sup> ]	A% (%)	HB
23EF012117	580	305	16	186

Ultrasonic control

Equipment	Serial number	Surface conditions	Couplant	Procedure	Calibration
Gilardoni RDG/700	I001288	As Rolled	Water	According To Specification	According To Specification

Firma  
IlliVEn/ISO9712  
Q.M.D. M.Quargnali



Item	Standard of reference	Acceptance criteria	Result	Indications	Reticle	Edges	Probe	Frequency	Angle
1	EN10160	CL.S1 E1	Ok	Not founded	200x200mm	50	DP25/2	2 MHz	0°

(1)Location:1=Top;2=Bottom;(2)Location:1/2=1/2 thickness;P=surface;1/4=1/4 thickness.(3)Direction:L=Longitudinal;T=Trasverse;(4)Specimen Thickness

DescrizioneMarchi

- Material Free of radioactive contamination
- Dimensional check and visual examination of the surface condition: without objection
- We Declare that the above mentioned plates are in compliance with the order prescription
- We hereby declare that the above mentioned material have been rolled in Italy, thus of European Community origin



Marcegaglia  
46040 Via Bresciani, 16-Gazoldo degli Ippoliti Mantova-Italy  
Tel. +39 - 0376 685 1 Fax. +39 - 0376 685 600  
www.marcegaglia.com

Stab. di S.Giorgio di Nogaro:  
via Enrico Fermi 33, 33058 S.Giorgio di Nogaro-Udine  
tel+390431624111 fax 0431624222

Type Inspection Certificate 3.1 EN 10204

THIS DOCUMENT WAS PRODUCED AUTOMATICALLY  
AND IS VALID WITHOUT SIGNATURE

Number 16023645376

Issued On 29/09/2023

Product: Hot Rolled Heavy Plates

Standard: EN10025-2:2019

Steel Grade: S355J2C+N

Customer  
UNIONOCEL S.R.O.  
BAVORSKA 2780  
155 00 PRAHA 5 - STODULKY CZ

Code: 0000039033

Del. Address  
UNIONOCEL s.r.o.  
Vlečka Tatra, Panská 1444/14  
742 21 KOPRIVNICE CZ

Delivery Nn 8930223918  
Of 29/09/2023  
Delivery note nr 1060012495

Quality Control  
Q.M.D./Q.M. M.Quarngnali  
Plant S. Giorgio di Nogaro

Pages  
3/4

Material  
LTS

Surface Quality: EN10163-2 CL B3

Delivery Condition: NORMALIZING ROLLING  
Steel Making Process: BO= Basic oxygen

Order Nr  
1191654969/50

Client Order  
O23-01811

Description  
16,00 X 2000,00 X 6000,00 S355J2C+N

Flatness: rif EN 10029 cl. N

Tolerances: EN10029 CLASSE A

Part Number

Client Date  
7/19/2023

Item	Identification Nr	Heat	Quantity KG	Quantity PZZ	Remarks:
1	23E7015496	2383003530	1507	1	Material in accordance with DBS 918002-01 Plates acc. to EN10164 - Z15 The Declaration of Performance (DOP) can be downloaded from the following web page: <a href="http://www.quality.marcegaglia.com/marcegaglia-plates-dop">www.quality.marcegaglia.com/marcegaglia-plates-dop</a>
2	23E7015497	2381003582	1507	1	
3	23E7015498	2381003582	1507	1	

Identification Nr	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Cu (%)	Al (%)	Mo (%)	Nb (%)	V (%)	Ti (%)	N (%)	Ceq (%)
	0.2	1.6	0.55	0.025	0.025	0.3	0.3	0.55	0.02	0.08	0.06	0.1	0.05	0.012	0.45
23E7015496	.158	1.440	.183	.0020	.0170	.030	.010	.010	.037	.0010	.028	.001	.0140	.0010	.41
23E7015497	.176	1.460	.183	.0040	.0170	.020	.010	.010	.038	.0010	.032	.001	.0130	.0040	.43
23E7015498	.176	1.460	.183	.0040	.0170	.020	.010	.010	.038	.0010	.032	.001	.0130	.0040	.43

Identification Nr	Forma	(1)	(2)	(3)	T	Rm	ReH	A%	(1b)	(2b)	(3b)	(4b)	T	Kv1	Kv2	Kv3	Kv <sup>a</sup>	Z1	Z2	Z3	Zv <sup>a</sup>	TESTN
					[°C]	[N/mmq]	[N/mmq]	(%)					[°C]	[J]	[J]	[J]	[J]	[%]	[%]	[%]		
					20	470	345	20					-20	27	27	27					15	
					20	630							-20									
23E7015496	P	1	P	T	20	567	448	28.0	1	P	L	10.0	-20	133	192	241	188	67	68	65	66	23-71174
23E7015497	P	1	P	T	20	562	435	28.0	1	P	L	10.0	-20	180	183	179	180	66	58	55	59	23-71180
23E7015498	P	1	P	T	20	562	435	28.0	1	P	L	10.0	-20	180	183	179	180	66	58	55	59	23-71180

Ultrasonic control					
Equipment	Serial number	Surface conditions	Couplant	Procedure	Calibration
Gilardoni RDG/700	I001288	As Rolled	Water	According To Specification	According To Specification

Firma  
IlliVEN/ISO9712  
Q.M.D. M.Quarngnali



Item	Standard of reference	Acceptance criteria	Result	Indications	Reticle	Edges	Probe	Frequency	Angle
1	EN10160	CL.S2 E3	Ok	Not founded	100x100mm	50	BDD20/4	4 MHz	0°
2	EN10160	CL.S2 E3	Ok	Not founded	100x100mm	50	BDD20/4	4 MHz	0°
3	EN10160	CL.S2 E3	Ok	Not founded	100x100mm	50	BDD20/4	4 MHz	0°

(1)Location:1=Top;2=Bottom;(2)Location:1/2=1/2 thickness;P=surface;1/4=1/4 thickness.(3)Direction:L=Longitudinal;T=Trasverse;(4)Specimen Thickness

- Material Free of radioactive contamination
- Dimensional check and visual examination of the surface condition: without objection
- We Declare that the above mentioned plates are in compliance with the order prescription
- We hereby declare that the above mentioned material have been rolled in Italy, thus of European Community origin



1244  
22  
MARCEGAGLIA  
PLATES  
v. Enrico Fermi, 33  
33058 - S. Giorgio Nogaro  
Udine - Italy  
EN 10025-1  
EN 10025-2



0474  
MARCEGAGLIA  
PLATES  
v. Enrico Fermi, 33  
33058 - S. Giorgio Nogaro  
Udine - Italy  
EN 10025-1  
EN 10025-2



Marcegaglia  
46040 Via Bresciani, 16-Gazoldo degli Ippoliti Mantova-Italy  
Tel. +39 - 0376 685 1 Fax. +39 - 0376 685 600  
www.marcegaglia.com

Stab. di S.Giorgio di Nogaro:  
via Enrico Fermi 33, 33058 S.Giorgio di Nogaro-Udine  
tel+390431624111 fax 0431624222

Type Inspection Certificate 3.1 EN 10204

THIS DOCUMENT WAS PRODUCED AUTOMATICALLY  
AND IS VALID WITHOUT SIGNATURE

Number 16023645376

Issued On 29/09/2023

Product: Hot Rolled Heavy Plates  
Standard: EN10025-2:2019  
Steel Grade: S355J2+N

Customer  
UNIONOCEL S.R.O.  
BAVORSKA 2780  
155 00 PRAHA 5 - STODULKY CZ

Code: 0000039033

Del. Address  
UNIONOCEL s.r.o.  
Vlečka Tatra, Panská 1444/14  
742 21 KOPRIVNICE CZ

Delivery Nn 8930223918  
Of 29/09/2023  
Delivery note nr 1060012495

Quality Control  
Q.M.D./Q.M. M.Quarngali  
Plant S. Giorgio di Nogaro

Pages  
4/4

Material  
LTS

Surface Quality: EN10163-2 CL B3

Delivery Condition: NORMALIZED IN FURNACE  
Steel Making Process: BO= Basic oxygen

Order Nr  
1191654969/120

Client Order  
O23-01811

Description  
50,00 X 2000,00 X 6000,00 S355J2+N

Flatness: rif EN 10029 cl. N

Tolerances: EN10029 CLASSE A

Part Number

Client Date  
7/19/2023

Item	Identification Nr	Heat	Quantity KG	Quantity PZZ	Remarks:
1	23EG007165	2371003160	4710	1	Bend Test acc. to SEP 1390: SATISFACTORY Material in accordance with DBS 918002-01 Plates acc. to EN10164 - Z15 The Declaration of Performance (DOP) can be downloaded from the following web page: <a href="http://www.quality.marcegaglia.com/marcegaglia-plates-dop">www.quality.marcegaglia.com/marcegaglia-plates-dop</a>
2	23EG007351	2373003353	4710	1	

Identification Nr	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Cu (%)	Al (%)	Mo (%)	Nb (%)	V (%)	Ti (%)	N (%)	Ceq (%)
	0.22	1.6	0.55	0.025	0.025	0.3	0.3	0.55	0.02	0.08	0.06	0.1	0.05	0.012	0.47
23EG007165	.161	1.450	.190	.0040	.0160	.040	.020	.020	.034	.0000	.027	.002	.0140	.0030	.41
23EG007351	.156	1.430	.180	.0040	.0200	.030	.010	.020	.033	.0000	.026	.000	.0130	.0030	.40

Identification Nr	Forma	(1)	(2)	(3)	Tst [°C]	Rm [N/mmq]	ReH [N/mmq]	A% (%)	(1b)	(2b)	(3b)	(4b)	T [°C]	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv <sup>a</sup> [J]	Z1 [%]	Z2 [%]	Z3 [%]	Zv <sup>a</sup> [%]	TESTN	
					20	470	335	19					-60	27	27	27						15	
					20	630							-20										
23EG007165	C	1	1/4	T	20	524	352	32.0	1	P	L	10.0	-20	215	197	209	207	53	50	65	56	23-11203N	
23EG007351	C	1	1/4	T	20	512	352	33.0	1	P	L	10.0	-20	198	203	205	202	56	62	62	60	23-11198N	

Ultrasonic control					
Equipment	Serial number	Surface conditions	Couplant	Procedure	Calibration
Gilardoni RDG/700	I001288	As Rolled	Water	According To Specification	According To Specification

Firma  
IlliVEN/ISO9712  
Q.M.D. M.Quarngali



Item	Standard of reference	Acceptance criteria	Result	Indications	Reticle	Edges	Probe	Frequency	Angle
1	EN10160	CL.S2 E3	Ok	Not founded	100x100mm	50	DP25/2	2 MHz	0°
2	EN10160	CL.S2 E3	Ok	Not founded	100x100mm	50	DP25/2	2 MHz	0°

(1)Location:1=Top;2=Bottom;(2)Location:1/2=1/2 thickness;P=surface;1/4=1/4 thickness.(3)Direction:L=Longitudinal;T=Trasverse;(4)Specimen Thickness

- Material Free of radioactive contamination  
- Dimensional check and visual examination of the surface condition: without objection  
- We Declare that the above mentioned plates are in compliance with the order prescription  
- We hereby declare that the above mentioned material have been rolled in Italy, thus of European Community origin

UK  
CA

1244  
22  
MARCEGAGLIA  
PLATES  
v. Enrico Fermi, 33  
33058 - S. Giorgio Nogaro  
Udine - Italy

EN 10025-1  
EN 10025-2

CE

0474  
MARCEGAGLIA  
PLATES  
v. Enrico Fermi, 33  
33058 - S. Giorgio Nogaro  
Udine - Italy

EN 10025-1  
EN 10025-2