



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

Stabilimento di Forlì:
via E. Mattei,20 47034 Forlimpopoli, Forlì-Cesena
tel+39.0543470111 fax+39.0543470105

Type Inspection Certificate 3.1 EN 10204

THIS DOCUMENT WAS PRODUCED AUTOMATICALLY
AND IS VALID WITHOUT SIGNATURE

Number 10522319592

Issued On 12/05/2022

WELDING PROCESS QUALIFICATION: ALL LASER WELDING PROCESS ARE QUALIFIED IN ACCORDING EN STANDARDS AND DIRECTIVE PED 2014/68/EU ALL.I PAR.3.1.2 BY THE NOTIFIED BODY 0474 (RINA). THE PQR ARE AVAILABLE ON REQUEST AT THE MARCEGAGLIA SPECIALTIES FACTORY IN FORLIMPOPOLI - FC - ITALY

Customer
INVESTA SP. Z O.O.
UL.ZASTAWNA 27
83000 PRUSZCZ GDANSKI PL

Code: 000023130

Consignee
Investa Sp. z o.o.
Smolice 1g, Tulipan Park - Hal
95010 Stryków PL

Delivery Nn 8365809882
Of 12/05/2022
Delivery note nr 1005004799

Quality Control
Q.M.D./Q.M. S.Toscana
Plant Of Forlì

Pages
2/3

Material
59004727

Test specification: EN 10217-7 TC1
Stainless steel grade: TP 304L 1.4307/1.4301 X2CrNi18-9/X5CrNi18-10
Tolerances: ISO 1127 D3-T3

Welding process
LASER WELDING

Order Nr
1191473541/20

Client Order
CZZ 357

Description
TXT002 48,3x2,6x6000 TP304L LAS Z

Part Number

Client Date
25/02/2022

Item	Identification Nr	Heat	Quantity MTL	Quantity KG	Quantity PZZ	Delivery conditions	Reworks
1	22W4001729	0543093	222	655	37	W0	BRUSHED
2	22W4001730	0543093	222	655	37		

WE CERTIFY THAT THE ABOVE MENTIONED PRODUCTS COMPLY WITH THE TERMS OF ORDER CONTRACT AND THE STANDARDS RECALLED IN THE PRESENT TEST CERTIFICATE

Identification Nr	Chemical Type	C (%)	Si (%)	Mn (%)	P (%)	S (%)	N (%)	Cr (%)	Ni (%)
		0.03	1	2	0.045	0.015	0.11	17.5 19.5	8 10
22W4001729	RAW MATERIAL	.030	.410	1.830	.0300	.0010	.0680	18.120	8.060
22W4001730	RAW MATERIAL	.030	.410	1.830	.0300	.0010	.0680	18.120	8.060

Identification Nr	Type of mechanical test	Rp 0.2 [MPa]	Rp 1.0 [MPa]	Rm [MPa]	A5 (%)
		180	215	470 670	40
22W4001729	TUBE	399	439	649	43.6
22W4001730	TUBE	399	439	649	43.6

MARCEGAGLIA SPECIALTIES FORLIMPOPOLI PLANT SYSTEM CERTIFICATIONS QUALITY SYSTEM CERTIFIED ACCORDING TO EN 9001:2015 AND IATF 16949:2016 AND ISO 3834-2:2005 AND A SAFETY SYSTEM CERTIFIED ACCORDING TO ISO 45001:2018 AND AN ENVIRONMENTAL SYSTEM CERTIFIED ACCORDING TO ISO 14001:2015 AND ENERGY SYSTEM CERTIFIED ACCORDING TO ISO 50001:2018
MARCEGAGLIA SPECIALTIES FORLIMPOPOLI PRODUCT CERTIFICATIONS DVGW ACCORDING TO GW541 LASER AND TIG WELDED TUBES STAINLESS STEEL GRADE 1.4404 DIA FROM 15.00 TO 108.00MM AND GRADE 1.4521 FROM 15.00 TO 54.00MM.
TUV AD2000 W2W10 AND PED ANNEX I, PARAGRAPH 4.3 LASER AND TIG WELDED TUBES STAINLESS STEEL GRADE 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4511, 1.4517, 1.4435, 1.4436 THICKNESS FROM 0.80 TO 4.00MM AND DIAMETRS FROM 8.00 TO 283.00 MM. EHEDG FOR DAIRY TUBES TXT015. EUROPEAN DIRECTIVE 1935:2004 FOR DAIRY TUBES TXT003, TXT014, TXT015.

NON DESTRUCTIVE TESTS
EDDY CURRENT TEST FOR THE VERIFICATION OF HYDRAULIC LEAKTIGHTNESS ACCORDING TO EN ISO 10893-1:2011: CONFORM
EDDY CURRENT TEST FOR THE DETECTION OF IMPERFECTIONS ACCORDING TO EN ISO 10893-2:2011: CONFORM
ANTIMIXING TEST: CONFORM
VISUAL INSPECTION AND DIMENSIONAL CONTROLS: CONFORM

DESTRUCTIVE TESTS
DRIFT EXPANDING TEST ACCORDING TO EN ISO 8493:2005: CONFORM
FLATTENING TEST ACCORDING TO EN ISO 8492:2004: CONFORM
RING EXPANDING TEST ACCORDING TO EN ISO 8495:2004: CONFORM
TENSILE TEST ACCORDING TO EN ISO 6892-1:2009
INTERGRANULAR CORROSION TEST ACCORDING TO EN ISO 3651-2:1998: CONFORM

Marking
(LGO:MARCEGAGLIA) \$Diametro\$ X \$Spessore_Nom\$ Heat n°\$Colata\$ EN 1.4301 / EN 1.4307 - TP 304 / TP 304L EN 10217-7 TC1 \$Stato di Fornitura\$ \$Sigla\$ \$Data\$ \$Ora\$

Remarks:
CHEMICAL COMPOSITION ACCORDING TO EN 10028-7 TUBE TO EN 10217-7 TC1 AND DIRECTIVE 2014/68/EU (PED), WELDING FACTOR V=1