MARCEGAGLIA SPECIALTIES

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Type Inspection Certificate 3.1 EN 10204

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Number 10519653773 Issued On 02/10/2019

WELDING PROCESS QUALIFICATION: ALL THE LASER WELDING PROCESS ARE QUALIFIED ACCORDING EUROPEAN PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC BY THE NOTIFIED BODY N.1233 EUROPED WITH WELDING PROCEDURE QUALIFICATION WPQR N° PM0907A001 Registration no. 10M203 AND WPQR N° PM907A002 Registration no. 11M017. STILL VALID UNDER PED 2014/68/EU PER ARTICLE 48 CLAUSE 3.

Customer
CZ MARCEGAGLIA SPECIALTIES RAP
VIA BRESCIANI 16
46040 GAZOLDO DEGLI IPPOLITI IT

Code: 0000087290

Consignee
N/D ITALINOX CZ S.R.O.
ZDEBRADSKA 58/59
251 01 RICANY - JAZLOVICE CZ

Delivery Nn 8305923068
Of 02/10/2019
Delivery note nr 2505003803

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

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Material
59004731

Description
TXT002 48,3x3x6000 TP304L LAS Z

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 **1591855302/120**
Part Number

Client Order **XXP-190012/2019**
Client Date **.00.00**

Item	Identification Nr	Heat	Quantity MTL	Quantity KG	Quantity PZZ	Delivery conditions	Reworks
1	19K6002755	0534249	221.7	700	37	W0	BRUSHED

WE CERTIFY THAT THE ABOVE MENTIONED PRODUCTS COMPLAY 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
19K6002755	RAW MATERIAL	.023	.350	1.680	.0300	.0010	.0690	18.070	8.050

Identification Nr	Type of mechanical test	Rp 0.2 [MPa]	Rp 1.0 [MPa]	Rm [MPa]	A5 (%)
		180	215	470 670	40
19K6002755	TUBE	397	437	645	44.1

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 OHASAS 18001:2007 AND AN ENVIROMENTAL SYSTEM CERTIFIED ACCORDING TO ISO 14001:2015.
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 W2\W10 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, 1.4541, 1.4571, 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

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

01435MM19