



COGNE ACCIAI SPECIALI S.p.a.

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CAP. SOC. 100.000.000 EUR INT. VERS.  
C.F. 02187360967  
VAT: IT00571320076 - R.E.A. n. AO-50474

Company with management systems IGO  
approved and certified according to ISO 9001,  
ISO/TS 16949 e ISO 14001.

1354

0209389

2 pgs.

INSPECTION CERTIFICATE 3.1 (EN 10204:2004)  
DOCUMENT NUMBER 2017062893  
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CUSTOMER: COGNE SPECIALTY STEEL USA, INC  
 CUSTOMER'S ORDER: 4500283666  
 MANUFACTURER'S WORKS: AOSTA, VIA PARAVERA 16 - ITALY  
 PRODUCER OF THE DOC: QUALITY DEPARTMENT  
 MANUFACTURER'S WORKS ORDER NO: 25228393 /10 MARK OF THE MANUFACTURER: COGNE  
 DISPATCH NOTE: 81167495 /10 WEIGHT: 9050 LB  
 THE CERTIFIED PRODUCTS ARE COMPLYING TO THE PURCHASE ORDER  
 INTERNAL SPEC: AMSQSS763  
 PRODUCT: 38154 SPE ROUGHPEELED ROUND BARS TOLERANCE: + 0,0788 - 0  
 SURFACE FINISH:  
 PRODUCT DELIVERY CONDITION: RS SOLUTION ANNEALED  
 PRODUCT DIMENSIONS (Inch): 8.500 LENGTH (inch) 00120 /00168  
 GRADE: AISI304/304L UNS30400/S30403 INTERNAL GRADE: F304L1 IMCO  
 IDENTIFICATION HEAT NO: 702153 IDENTIFICATION LOT NO: 440530  
 MARKING OF THE PRODUCT: 304L TEST PIECE N: 053

REFERENCE NORMS: ASTM A276/276M(17), ASTM A479/A479M(17), ASTM A484/A484M(16), ASTM A193/A193M(16) B8CL.1, ASME SA276(15), ASME SA479(15), ASME SA484(15), ASME SA193(15) B8CL.1, AMS QQS763D2015, AMS 5639J, AMS 5647K, NACE MR0103 2015, NACE MR0175/ISO15156-3(15), EN 10272(07).

REFERENCE NORMS FOR CHEMICAL COMPOSITION ONLY: ASTM A182/A182M(16)/ASME SA182(15), ASTM A240/A240M(16A), ASTM A314/A314M(15), ASTM A320/A320M(17A)/ASME SA320(15) B8CL1, EN 10222-5(2000).  
AISI 304/304L UNS S30400/S30403, EN 1.4301/1.4307.

SOLUTION TREATED AT 1050°C / 1 min x mm / WATER.

STEELMAKING EAF + AOD

HEAT TREATMENT PERFORMED IN CALIBRATED FURNACES ACCORDING TO INTERNAL PROCEDURE PR-GDQ. ITT COMPLYING WITH API6A Annex M.

QTC ON PROLONGATION OF BARS TESTS AT MID RADIUS (CENTER POS. FOR SIZES <2 INCHES).

HOT FORGED

REDUCTION RATIO 8.9  
INITIAL STATUS 0.0

CHEM. COMP. (%W/W) - LADLE ANALYSIS ACCORDING TO ASTM E1019-A751-E1086-E415-A580

ELEMENTS	C	Si	Mn	P	S	N2	Cr	Mo	Ni	Cu
OBTAINED	0.015	0.36	1.40	0.032	0.028	0.084	18.29	0.28	8.13	0.58
ELEMENTS	Sn	Co								
OBTAINED	0.008	0.14								

HARDNESS TEST IN AS DELIVERY CONDITION

Control lot No. - Weight :020000711527 - 4,679 KG  
SPECIFICATION ENISO6506 HARDNESS TEST HB TESTING METHOD: 10/3000  
OBTAINED 145

GRAIN SIZE

Control lot No. - Weight :020000711527 - 4,679 KG  
SPECIFICATION ASTM E112 ---  
OBTAINED 5 3

MACROSTRUCTURE CONFORMING TO THE SPEC. ASTM E340.

CORROSION TEST ACCORDING TO ASTM A262 Practice E EN ISO 3651-2 (NO SIGNS OF FISSURES OR CRACKS AT 20X MAGNIFICATION): SATISFACTORY.  
SURFACE CONTROL BY VISUAL INSPECTION: CONFORMING.



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Company with management systems ISO 9001, approved and certified according to ISO 9001, ISO/TS 16949 e ISO 14001.

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DIMENSIONAL CONTROL ACCORDING TO ASTM A484: CONFORMING.  
 ULTRASONIC TEST ACCORDING TO EN 10308 Class.3, equivalent to ASTM A388 PH5 (for size <=250 mm) and FBH8 (size >250 mm): SATISFACTORY.  
 ANTIMIX TEST: SATISFACTORY.  
 TENSILE TEST

Control lot No. Weight :020000711527 - 4,679 KG  
 SPECIFICATION ASTM A370-E8-0.5" SPEC

DIRECTION OF THE TEST PIECE: T

MEASUREMENT UNIT	Rm B KSI	Rp02 H KSI	% B %	A12 B %
OBTAINED	78	35	67.0	4.0 D 56.8

ULTRASONIC TEST: ACCORDING API6A PSL 3 AND ASTM A388  
 NO WELDING REPAIR ON THE MATERIAL.  
 MARKING: PRODUCER LOGO, MATERIAL NO, HEAT NO, LOT NR.  
 THE PRODUCT SATISFIES CE DIRECTIVES: 2011/65 (ROHS2) - 2000/53 - 2002/95 (RoHS) - 2003/11 - 2005/618 AND PED 2014/68/EU.  
 THE MATERIAL IS FREE OF ANY MERCURY, MERCURY COMPOUNDS AND OR RADIUM CONTAMINATION AT TIME OF SHIPMENT AND WAS PRODUCED WITHOUT USING OZONE DEPLETING SUBSTANCES OF CLASS I AND II.  
 THE ABOVE ARE TRUE AND CORRECT RESULTS OF TESTS ON SAMPLES OF THE MATERIAL. RESULTS ARE CONFORM TO THE SPECIFICATION(S) APPLICABLE AND ARE RECORDED.  
 THE RECORDING OF FALSE, FICTIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER U.S. FEDERAL STATUTES.  
 COUNTRY OF ORIGIN: ITALY, THE MATERIAL COMPLIES WITH FAR DEARS 252.225-7009 A.I.T. 1.  
 REFERENCE NORMS: EN 10088-3, EN 10272, ASTM A276, ASTM A479, ASME SA479(10), ASTM A193 B8T CLASS 1, ISO15156-3 NACE MR0175, NACE MR0103, AMS5645P.  
 REFERENCE NORMS FOR CHEMICAL COMPOSITION ONLY: EN10222-5, ASTM A182, ASME SA182(10), ASTM A484, ASTM A403, ASTM A314, AMS-QQ-S-763B.  
 ALL THE NORMS MENTIONED ARE INTENDED IN THEIR LAST REVISION AT THE DATE OF ISSUE OF THIS DOCUMENT.  
 QUALITY SYSTEM CERTIFIED BY I.G.Q ACCORDING TO UNI EN ISO 9001:2008 + ISO/TS 16949:2009 (THE LAST ONE ONLY FOR HOT ROLLING-PEELED-GROUND, STAINLESS STEEL BARS AND ATOMIZED METALLIC POWDERS).

DATE 06.12.2017

BARBARA VIETTI MV(QUALITY CERTIFICATOR) - ELECTRONICALLY GENERATED CERTIFICATE

Cogne