

400252



COGNE ACCIAI SPECIALI S.p.a.

11100 AOSTA - VIA PARAVERA, 16
 TEL +39.0165.3021 - FAX +39.0165.302296
 CAP. SOC. 100.000.000 EUR INT. VERS.
 C.F. 0218730967
 VAT: IT00571320076 - R.E.A. n. AD-50474

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

C111727

INSPECTION CERTIFICATE 3.1 (EN 10204:2004)
 (A03) DOCUMENT NUMBER 2014025190
 PAGE 1/2

(A06) CUSTOMER : COGNE SPECIALTY STEEL USA, INC
 (A07) CUSTOMER'S ORDER : ASA P031963
 (A01) MANUFACTURER'S WORKS : AOSTA, VIA PARAVERA 16 - ITALY
 (A05) PRODUCER OF THE DOC: QUALITY DEPARTMENT
 (A08) MANUFACTURER'S WORKS ORDER NO: 25175019 /140 (A04) MARK OF THE MANUFACTURER : COGNE
 (A09) DISPATCH NOTE : 80903759 /10 (B14) WEIGHT : 10,577.60
 THE CERTIFIED PRODUCTS ARE COMPLYING TO THE PURCHASE ORDER
 INTERNAL SPEC. : AMSQQS763_API6A
 (B01) PRODUCT : 51121 SPE ROUGHPEELED ROUND BARS TOLERANCE : + 0,0788 - 0
 (B03) SURFACE FINISH :
 (B04) PRODUCT DELIVERY CONDITION: RS SOLUTION ANNEALED
 (B09) PRODUCT DIMENSIONS (Inch): 9.000 (B10) LENGTH (inch) 00240 /00288
 (B02) GRADE : AISI 316/316L - UNS31600/31603 INTERNAL GRADE : F316L IMCO
 (B07) IDENTIFICATION HEAT NO: 400252 (B07) IDENTIFICATION LOT NO.: 223310
 (B06) MARKING OF THE PRODUCT : 316L TEST PIECE N. : 331

REFERENCE NORMS: ASTM A276(08), ASTM A479(11), ASTM A484(08), ASTM A193(09) B8MCL1, ASME SA276(10), ASME SA479(10), ASME SA484(10), ASME SA193(10) B8MCL1, AMS5653G, AMS5648L, AMS-QQS-763B(replacing FEDQQS763 on 7/1/98), NACE MR0175/ISO15156-3(09), NACE MR0103 2010, NORSOK MDSS01Rev3.

REFERENCE NORMS FOR CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES: ASTM A182(10)/ASME SA182(10), ASTM A314(08).
 SOLUTION TREATED AT 1050°C / 1 min x mm / WATER.

STEELMAKING AEF + AOD

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

HOT FORGED

REDUCTION RATIO 10.5
 INITIAL STATUS 0.0

(C71) CHEM. COMP. - LADLE ANALYSIS ACCORDING ASTM E1019-A751-E1086-E415-A580

Control lot No. - Weight : 020000528817 - 84,453 KG

ELEMENTS OBTAINED	C	Si	Mn	P	S	N	Cr	Mo	Ni	Cu
ELEMENTS OBTAINED	0.020	0.40	1.78	0.026	0.026	0.077	16.92	2.05	10.07	0.34
ELEMENTS OBTAINED	Co	0.18								

HARDNESS TEST IN AS DELIVERED CONDITION

Control lot No. - Weight : 020000529457 - 5,785 KG
 SPECIFICATION 171 ASTMA370-E10 HARDNESS TEST HB TESTING METHOD : 10/3000
 OBTAINED

GRAIN SIZE

Control lot No. - Weight : 020000529457 - 5,785 KG
 SPECIFICATION 4 6 ASTME112 --
 OBTAINED

HEAT TREATMENT PERFORMED IN CALIBRATED FURNACES ACCORDING TO INTERNAL PROCEDURE PR-GDQ.ITT COMPLYING WITH API6A.
 CORROSION TEST ACCORDING TO ASTM A262 Practice E EN ISO 3651-2: SATISFACTORY.

SURFACE CONTROL BY VISUAL INSPECTION: CONFORMING.

DIMENSIONAL CONTROL ACCORDING TO ASTM A484: CONFORMING.

ULTRASONIC TEST ACCORDING TO EN 10308 Class.3, equivalent to
 ASTM A388 FBH5 (for sizez <=250 mm) and FBH8 (sizez >250 mm): SATISFACTORY.



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ANTIMIX TEST: SATISFACTORY.

TENSILE TEST

Control lot No. - Weight :020000529457 - 5,785 KG
SPECIFICATION ASTMA370-E8-0.5" SPEC

(C02) DIRECTION OF THE TEST PIECE: T

MEASUREMENT UNIT	Rm B KSI	Rp02_B KSI	Z B %	A12 B %
OBTAINED	84	43	79.0	4,0 D 63.7

NO WELDING REPAIR ON THE MATERIAL

MARKING: PRODUCER LOGO, MATERIAL NO, HEAT NO, LOT NR.

THE PRODUCT SATISFIES CE DIRECTIVES: 2011/65 - 2000/53 2002/95(RoHS) 2003/11 - 2005/618

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.

QUALITY SYSTEM CERTIFIED BY I.G.Q ACCORDING TO UNI EN ISO

9001:2008 - ISO/TS 16949:2009 (THE LAST ONE ONLY FOR HOT ROLLED-PEELED-GROUND, STAINLESS STEEL BARS AND ATOMIZED METALLIC POWDERS).

ALL THE NORMS MENTIONED ARE INTENDED IN THEIR LATEST REVISION AT THE DATE OF ISSUE OF THIS DOCUMENT.

COUNTRY OF ORIGIN: ITALY, THE MATERIAL COMPLIES WITH FAR DFARS 252.225-7014 ALT 1.

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.

SOLUTION TREATED AT 1050°C +-15°C / 1 min x mm / WATER.

(201) DATE 14.05.2014

VANESSA MICONI MV (QUALITY CERTIFICATOR) - ELECTRONICALLY GENERATED CERTIFICATE