

Woff 6994 CPA 3FOE 55 80RF

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COGNE ACCIAI SPECIALI S.p.a.

11100 AOSTA - VIA PARAVERA, 16  
TEL +39.0165.3021 - FAX +39.0165.302206  
CAP. SOC. 100.000.000 EUR INT. VERS.  
C.F. 02187360967  
VAT: IT00571320076 - R.E.A. n. AO-50474

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

INSPECTION CERTIFICATE 3.1 (EN 10204:2004)  
(A03) DOCUMENT NUMBER 2014063250  
PAGE 1/2

(A06) CUSTOMER : COGNE SPECIALTY STEEL USA, INC  
 (A07) CUSTOMER'S ORDER : ASA P033724  
 (A01) MANUFACTURER'S WORKS : AOSTA, VIA PARAVERA 16 - ITALY  
 (A05) PRODUCER OF THE DOC: QUALITY DEPARTMENT  
 (A08) MANUFACTURER'S WORKS ORDER NO: 25184819 /130 (A04) MARK OF THE MANUFACTURER : COGNE  
 (A09) DISPATCH NOTE : 80936998 /10 (B14) WEIGHT : 4,576.72  
 THE CERTIFIED PRODUCTS ARE COMPLYING TO THE PURCHASE ORDER  
 INTERNAL SPEC. : AMSQQS763\_AP16A  
 (B01) PRODUCT : 53331 SPE ROUGHPEELED ROUND BARS TOLERANCE : + 0,0591 - 0  
 (B03) SURFACE FINISH :  
 (B04) PRODUCT DELIVERY CONDITION: RS SOLUTION ANNEALED  
 (B09) PRODUCT DIMENSIONS (Inch): 5.250 (B10) LENGTH (inch) 00240 /00288  
 (B02) GRADE : AISI 316/316L - UNS31600/31603 INTERNAL GRADE : F316L IMCO  
 (B07) IDENTIFICATION HEAT NO: 401668 (B07) IDENTIFICATION LOT NO.: 564630  
 (B06) MARKING OF THE PRODUCT : 316L TEST PIECE N. : 463

REFERENCE NORMS: ASTM A276, ASTM A479, ASTM A484, ASTM A193B8MCL1, ASME SA276, ASME SA479, ASME SA484, ASME SA193B8MCL1, AMS-QQS-763(replacing FEDQQS763 on 7/1/98), AMS 5653F, AMS 5648K, NACE MR0175/ISO15156-3, NACE MR0103, NORSOK MDSS01Rev3, EN 10272.

REFERENCE NORMS FOR CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES: ASTM A182/ASME SA182, ASTM A314, EN 10222-5. AISI 316/316L UNS S31600/S31603, EN 1.4401/1.4404.

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

STEELMAKING AEF + AOD

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

HOT ROLLED

REDUCTION RATIO 21.6  
INITIAL STATUS 0.0

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

Control lot No. - Weight : 020000555242 - 95,900 KG

ELEMENTS	C	Si	Mn	P	S	N	Cr	Mo	Ni	Cu
OBTAINED	0.028	0.36	1.77	0.027	0.025	0.074	17.05	2.08	10.20	0.30
ELEMENTS	Co									
OBTAINED	0.18									

HARDNESS TEST IN AS DELIVERED CONDITION

Control lot No. - Weight : 020000555426 - 5,025 KG  
 SPECIFICATION - ASTMA370-E10 HARDNESS TEST HB TESTING METHOD : 10/3000  
 OBTAINED 166

IMPACT TEST IN AS DELIVERY CONDITION

Control lot No. - Weight : 020000555426 - 5,025 KG  
 SPECIFICATION - EN ISO 148-1-KV2 (C02) DIRECTION OF THE TEST PIECE: L  
 (C40) TYPE OF TEST PIECE KV  
 (C03) TEST TEMPERATURE °C 20  
 MEASUREMENT UNIT J  
 OBTAINED 252 255 250

loan  
Jan 16/17  
02



COGNE ACCIAI SPECIALI S.p.a.

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GRAIN SIZE  
 Control lot No. - Weight :020000555426 - 5,025 KG  
 SPECIFICATION OBTAINED 4 6 ASTM E112 --

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 size <=250 mm) and FBH8 (sizes >250 mm): SATISFACTORY.  
 ANTIMIX TEST: SATISFACTORY.  
 TENSILE TEST  
 Control lot No. - Weight :020000555426 - 5,025 KG  
 SPECIFICATION OBTAINED ASTM A370-E8-0.5" SPEC (C02) DIRECTION OF THE TEST PIECE: L

MEASUREMENT UNIT	Rm B KSI	Rp02_B KSI	Z B %	A12 B %
OBTAINED	81	39	78.3	4,0 D 66.4

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 AND PED 97/23/EC.  
 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  
 252.225-7009 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.