



COGNÉ ACCIAI SPECIALI S.p.A.
 11100 AOSTA - VIA PARAVEPA 15
 C.A.P. 11010 - TEL. 0132/30020
 C.F. 04137400097
 V.A.F. 110057120005 - R.E.A. n. 40/90/01

Company with management system ISO 9001
 approved and certified according to ISO 9001
 ISO 15 (1985) e ISO 14001

INSPECTION CERTIFICATE 3.1 (EN 10204:2004)
 (A03) DOCUMENT NUMBER 2014012588
 PAGE 1/2

302357 (11")

C105452

(A06) CUSTOMER : COGNÉ SPECIALTY STEEL USA, INC
 (A07) CUSTOMER'S ORDER : ASA F031953
 (A01) MANUFACTURER'S WORKS : AOSTA, VIA PARAVEPA 15 - ITALY
 (A05) PRODUCER OF THE DOC : QUALITY DEPARTMENT
 (A03) MANUFACTURER'S WORKS ORDER NO: 25175019/160 (RD.) MARK OF THE MANUFACTURER : COGNÉ
 (A09) DISPATCH NOTE : 8881584 / 10 (914) WEIGHT : 7,217.81
 THE CERTIFIED PRODUCTS ARE COMPLYING TO THE PURCHASE ORDER
 INTERNAL SPEC : AMSQS763 APISA
 (B01) PRODUCT : 51123 STD ROUGHPELLED ROUND BARS TOLERANCE : ± 0.0985 - 0
 (B03) SURFACE FINISH : HS SOLUTION UNRELEAD
 (B04) PRODUCT DELIVERY CONDITION : RST 11.000
 (B09) PRODUCT DIMENSIONS (inch) : RST 116/316L - UNS31600/31603 (B10) LENGTH (inch) : 60240 / 06288
 (B02) GRADE : 302157 (B07) INTERNAL GRADE : E316L INCO
 (B07) IDENTIFICATION LOT NO. : 302157 (B07) IDENTIFICATION LOT NO. : 223330
 (B07) MARKING OF THE PRODUCT : 316L TEST PICE N. : 333

REFERENCE NORMS : ASTM A276(10), ASTM A191(11), ASTM A470(1), ASTM A193(10) ERBULL, ASME SA276(10), ASME SA193(10), ASME SA470(10), ASME SA193(10) 2010, NORMA MSS51REV3, ASME SA193(10) ERBULL, ASME SA470(1), ASTM A193(10) ERBULL, ASME SA276(10), ASME SA193(10), ASME SA470(10), ASME SA193(10) 2010, NORMA MSS51REV3, ASME SA193(10) ERBULL, ASME SA470(1), ASTM A193(10) ERBULL, ASME SA276(10), ASME SA193(10), ASME SA470(10), ASME SA193(10) 2010, NORMA MSS51REV3.
 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 1m / WATER.
 STEEL MARKING ASB + A0D
 QIC ON PROLONGATION OF BARS TESTS AT MID RADIUS CENTER POS. FOR SIZES < 2 INCHES).
 HOT FORGED
 REDUCTION RATIO : 5.4
 INITIAL STATUS : 0.0

(C11) CHEM. COMP. - LADLE ANALYSIS ACCORDING ASTM E1019-A-751-E1086-E415-A3580

CONTROL Lot No. - Weight : 020000523155								
ELEMENTS	C	Si	Mn	P	S	N	Cr	Mo
OBTAINED	0.020	0.37	1.74	0.026	0.023	0.073	16.73	2.13
OBTAINED	0.13						10.20	0.28

HARDNESS TEST IN AS DELIVERED CONDITION : 189
 CONTROL Lot No. - Weight : 020000524131
 SPECIFICATION : ASINM370-E10 HARDNESS TEST HB TESTING METHOD : 10/3800
 OBTAINED : 7,690 KG
 SPECIFICATION : 5
 OBTAINED : 7
 SPECIFICATION : 7,690 KG
 OBTAINED : 7
 SPECIFICATION : 7

HEAT TREATMENT PERFORMED IN CALIBRATED FURNACES ACCORDING TO INTERNAL PROCEDURE PR-SPE/ITT COMPLYING WITH APISA.
 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 sizes < 250 mm) and FBH8 (sizes > 250 mm): SATISFACTORY.



COGITE ACQUISITION S.p.A.
 VIA PARAVERA, 15
 02015 S. MARINO (VT) - ITALY
 TEL. +39 0761 522111 - FAX +39 0761 522295
 C.F. 02015200557 - P.I. 02015200557
 VAT 07610270557 - REA M. AN 55074

Company with management system ISO 9001
 approved and certified according to ISO 9001.
 ISO 14001 & ISO 15001.

INSPECTION CERTIFICATE 3.1 (EN 10204:2004)
 (A03) DOCUMENT NUMBER 2014012558
 PAGE 2/2

ARTWORK TEST: SATISFACTORY.
 TENSILE TEST
 Control lot No. - Weight : 020000524131

ASTM A370-58-D.5-SPEC 7 690 KG

(G02) DIRECTION OF THE TEST PIECE: T

MEASUREMENT UNIT
 OBTAINED

R _{0.2} B	R _{0.2} B	Z B	A12 B
KSI	KSI	%	%
83	44	52.7	4.0 D 55.4

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
 THE MATERIAL IS FREE OF ANY MERCURY, MERCURY COMPOUNDS AND OR RADIONUCLIDES 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 AS THE DATE OF ISSUE OF THIS DOCUMENT.
 COUNTRY OF ORIGIN: ITALY, THE MATERIAL COMPLIES WITH PAR BARS 252.225-7014 A17.1.
 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, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER U.S.
 FEDERAL STATUTES.
 SOLUTION TREATED AT 1030°C +/-15°C / 1 min x mm / WATER.

(201) DATE 13.03.2014

POLLASTRELLI ANDREA SC (QUALITY CERTIFICATOR) - ELECTRONICALLY GENERATED CERTIFICATE

C105452