



COGNIE ACCUM SPEEDLINE S.P.A.
 11103 ASTRA, VIA PARAVEIRA 16
 00156 ROMA, ITALIA (06) 858111
 CE. 021709887
 VAI: 11003152007 - R.E.A. A. 0256677

Company with management systems ISO
 9001 and certified according to ISO 9001,
 EN 10204 ESO 10901.

472042 (3.25")

C105448

INSPECTION CERTIFICATE 3.1 EN 10204:2004
 (A03) DOCUMENT NUMBER 2014008813
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(A06) CUSTOMER : COGNIE SPECIALTY STEEL USA, INC
 (A07) CUSTOMER'S ORDER : ASA 0031963
 (A01) MANUFACTURER'S WORKS : AOSTA, VIA PARAVEIRA 16 - ITALY
 (A05) PRODUCER OF THE BOC : QUALITY DEPARTMENT
 (A08) MANUFACTURER'S WORKS ORDER NO: 25175019 /40 (A04) MARK OF THE MANUFACTURER : COGNIE
 (A09) DISPATCH NOTE : 80881572 /10 (014) WEIGHT : 7,213.40
 (A09) THE CERTIFIED PRODUCTS ARE COMPLYING TO THE PURCHASE ORDER
 INTERNAL SPEC : AMSQ05163 AP16A
 (B01) PRODUCT : 46834 EST PRELIMD ROUND BARS TOLERANCE : + 0 - 0,005516
 (B03) SURFACE FINISH : RE SOLUTION ANNEALED
 (B04) PRODUCT DELIVERY CONDITION : 3.250 (B10) LENGTH (inch) : 00230 /00264
 (B09) PRODUCT DIMENSIONS (inch) : 453316/216L UNS31600/531001 INTERNAL GRADE : F316L IWCO
 (B02) GRADE : 472042 (B07) IDENTIFICATION LOT NO.: 225120
 (B07) IDENTIFICATION HEAT NO : TEST PIECE N. : 512
 (B04) BRANDING OF THE PRODUCT :

REFERENCE NORMS: ASTM A276 (08), ASTM A276 (09), ASTM A193 (09), ASTM A193 (09), ASTM A3276 (10), ASTM A3276 (10), ASTM A314 (08),
 ASME SA314 (10), ASME SA314 (10), ASME SA314 (10), ASME SA314 (10), ASME SA314 (10), ASME SA314 (10), ASME SA314 (10),
 EN10313 (07), NORMAS DESEVELOPADA.
 REFERENCE NORMS FOR CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES: ASTM A382 (10)/ASME SA192 (10), ASTM A314 (08).
 SOLUTION TREATED AT 1050°C / 1 MIN X HR / WATER.
 STEELMARKING AEF + A00 + CONTINUOUS CASING
 HOT OR PROLONGATION OF BARS TESTS AT MID RADIIUS (CENTER POS. FOR SIZES < 2 INCHES).
 HOT ROLLED
 REDUCTION RATIO : 4.2
 INITIAL STATUS : 0.0

(C11) CHEM. COMP. - LABS ANALYSIS ACCORDING ASTM E1019-A751-E1086-E415-A530
 Control lot No. - Weight : 020000525579
 ELEMENTS OBTAINED : C 0.025 S 0.026 N 0.072 Cr 16.55 Mo 2.05 Ni 10.08 Cu 0.33
 OBTAINED : Si 84.216 Kg Mn 1.80 P 0.034
 0.13 Co

HARDNESS TEST IN AN DELIVERED CONDITION : 3,800 KG
 Control lot No. - Weight : 0200005255799
 SPECIFICATION : ASTM A710-E10 HARDNESS TEST HB TESTING METHOD : 10/3000
 OBTAINED : 172

GRAIN SIZE : 3,800 MG
 Control lot No. - Weight : 0200005255799
 SPECIFICATION : ASTM E112
 OBTAINED : 5 7

EDDY CURRENT INSPECTION OF SURFACE ACCORDING TO EN 10277-1 CLASS 4: SATISFACTORY.
 CORROSION TEST ACCORDING TO ASTM A262 Practice F EN ISO 3651-2: SATISFACTORY.



COGNE ACCU SPECULS s.p.a.
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Company with managing system ISO
 Approved and certified according to ISO 9001
 SORTS 10291 e ISO 14001

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TENSILE TEST
 Control lot No. - Weight : 020000525799

ASTM A370-EB-0.5*SPEC 3.800 KG

(02) DIRECTION OF THE TEST PIECE: 1

MEASUREMENT UNIT	HR B	Rp02.B	Z B	A12 B
	KSI	KSI	%	%
OBTAINED	84	36	74.4	62.7

DIMENSIONAL CONTROL ACCORDING TO EN 10278 AND ASTM A484: SATISFACTORY.

NO WELDING REPAIR ON THE MATERIAL.
 METRASOMIC TEST ACCORDING TO EN 10308 CLASS 3, EQUIVALENT TO SEP 1920 GROUP 3 CLASS C (CLASS B FOR SIZES > 75 MM) AND ASTM A398 FHS 5 (ONLY FOR STEEL > 100 MM): SATISFACTORY

HEAT TREATMENT PERFORMED IN CALIBRATED FURNACES ACCORDING TO INTERNAL PROCEDURE PR-GDQ. IT CONVEYING WITH API6A.
 QTC OBTAINED ON PROLONGATION OF BARS ACCORDING TO THE RULES OF EN10088-3 AND API6A. AT TIME OF SHIPMENT AND WAS PRODUCED WITHOUT

USING OTHER DELETING SUBSTANCES OF CLASS 1 AND 11.
 THE PRODUCT SATISFIES CE DIRECTIVES: 2011/65 - 2000/53 2002/95(ROHS) 2003/11 - 2005/618

MARKING: PRODUCER LOGO, MATERIAL NO, HEAT NO, LOT NO.
 QUALITY SYSTEM CERTIFIED BY I.G.O 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 INTERPRETED IN THEIR LATEST REVISION AT THE DATE OF ISSUE OF THIS DOCUMENT.
 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. AT 1050°C +/-15°C / 1 min x mm / WATER.

(2011) DATE 21.02.2014

POLIASTRINELLI ANDREA FC (QUALITY CERTIFICATE) - ELECTRONICALLY GENERATED CERTIFICATE