



COGNIS ACCIAI SPECIALI S.p.A.
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 VAT: IT00571320076 - R.E.A. n. AO-50474

Company with management systems ISO
 approved and certified according to ISO 9001.
 ISO 9001:2008 e ISO 14001.

INSPECTION CERTIFICATE 3.1 (EN 10204:2004)
 (A03) DOCUMENT NUMBER 2015052329
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(A06) CUSTOMER'S ORDER :
 (A07) CUSTOMER'S ORDER :
 (A01) MANUFACTURER'S WORKS :
 (A05) PRODUCER OF THE DOC:
 (A08) MANUFACTURER'S WORKS ORDER NO: 25196737 /20 (A04) MARK OF THE MANUFACTURER : COGNIS
 THE CERTIFIED PRODUCTS ARE COMPLYING TO THE PURCHASE ORDER

INTERNAL SPEC. :
 (B01) PRODUCT :
 (B03) SURFACE FINISH :
 (B04) PRODUCT DELIVERY CONDITION:
 (B09) PRODUCT DIMENSIONS (mm):
 (B02) GRADE :
 (B07) IDENTIFICATION HEAT NO:
 (B06) MARKING OF THE PRODUCT :
 COGNIS U.K. LIMITED
 PI-31620
 AOSTA, VIA PARAVERA 16 - ITALY
 QUALITY DEPARTMENT
 STOCKBARREWZ
 PEL PEELIED
 2B Cold Finished
 RS SOLUTION ANNEALED
 57,150
 AISI 316/316L EN1.4401/4404
 572849
 1.4404
 TECHNICAL RULE :
 ISOH10
 AD27000
 (B10) LENGTH (mm)
 (B07) IDENTIFICATION LOT NO. :
 TEST PIECE N. :

COGNIS GEN.
 CHECKED
 21 OCT 2015
 10135278

THE PRODUCT IS CONFORMING TO THE CONTRACT AGREEMENT AND TO THE RULE AD2000-MERCHIALETT W0/W2.
 REFERENCE NORMS: EN 10088-3(05), EN 10272(08), ASTM A276(08), ASTM A479(08), ASTM A193(09) B8M CLASS1D, ASME SA276(10), ASME
 SA479(10), AMS 5653F, AMS 5648K, ISO15156-3/NACE MR0175(09), NACE MR0103(07), NORSOK MDS501Rev.3
 REFERENCE NORMS FOR CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES: ASTM A182(10), ASME SA182(10).
 ASTM A484 DOES NOT APPLY FOR SIZE AND LENGTH TOLERANCES.
 MATERIAL IN COMPLIANCE WITH THE NORSOK M-630 MDS S01
 STEELMARKING EAF + AOD + CONTINUOUS CASTING
 HOT ROLLED
 REDUCTION RATIO 9,1

(C71) CHEM. COMP. - LADLE ANALYSIS ACCORDING ASTM E1019-A751-E1086-E415-A580
 Control lot No. - Weight : 020000596530 -
 ELEMENTS OBTAINED
 ELEMENTS OBTAINED
 ELEMENTS OBTAINED

C	0,015	C	80,553	KG
Si	0,33	Mn	1,76	
P	0,035	S	0,023	
N	0,078	Cr	17,06	
Mo	2,03	Ni	10,12	
Cu	0,37			

HARDNESS TEST IN AS DELIVERED CONDITION
 Control lot No. - Weight : 020000597494
 SPECIFICATION OBTAINED
 ENISO6506
 9.784 KG
 HARDNESS TEST HB TESTING METHOD : 10/3000
 179

IMPACT TEST IN AS DELIVERY CONDITION
 Control lot No. - Weight : 020000597494
 SPECIFICATION OBTAINED
 (C40) TYPE OF TEST PIECE
 (C03) TEST TEMPERATURE °C
 MEASUREMENT UNIT

EN ISO 148-1-KV2	9.784 KG	(C02) DIRECTION OF THE TEST PIECE: L
KV	20	
J	277	
J	284	
J	280	
	288	
	283	
	285	
	284	
	285	
	284	
	285	
	282	

F11520
 1/2" NPT M/F 90° Elbow 10K

FLOW TECHNOLOGY LTD
 TEST CERTIFICATE
 VERIFIED TRUE
 COPY OF ORIGINAL