

D.O.#6386

Part # 12-FOE-80


DESC: 12" CPA 50E S-80 316 S/S

DSRB359053_5

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20002
 TECHN.PROTOCOL № 210-11 SPEC.№ 8181/PO L0535
 ASTM A182/A182M-19; ASME SA-182/SA-182M-17; ASTM A276-17; ASTM A314-19; ASTM A479/A479M-19; ASME SA-479/SA-479M-17; ASTM A484/A484M-19; AMS-QQ-S-763D-15 Cond.A; AMS 5648M-16; AMS 5653J-19; ASTM A193/A193M-19 GR B8M,CL1; ASME SA-193/SA-193M-17 GR B8M,CL1; ASTM A320/A320M-18 GR B8M,CL 1; ASME SA-320/SA-320M-17 GR B8M,CL 1; ANSI/NACE MR 0175/ISO 15156-3-15; ANSI/NACE MR 0103/ISO 17945-15

Sheets: 5 **Sheet: 5**
INSPECTION CERTIFICATE EN10204/B.1 Nr.359053
PLANT ORDER № 8023408181

 **CUSTOMER**
DSS INTERNATIONAL SA
 Switzerland
 Ta Chen International, Inc.
 Long Beach, CA, 90805
 Commodity code
 RB6L1500/DS
 QMS Certified

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel forged, peeced. Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные.
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР
 Round 15.000in/381.00 mm L=15.2790/4.66 m;
Grade: 316/F316/316L/F316L

QUANTITY: 1bund Q-9511 lb/4314 kg
 (number of pcs)

Delivery condition
 solution annealed :1900-2010° F(1040-1100° C)/water
 термообработка:закалка в воду

ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N		
REQUIRED	<.030	<1,00	1.25-2.00	<.040	.020-.030	16.00-18.00	10.00-14.00	2.00-3.00	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10		
CAST № A08738	.030	.41	1.33	.036	.023	16.81	10.40	2.06	.061	.33	.05	.06	.005	.09	.013	.032		

MECHANICAL PROPERTIES	Yield Strength, Ksi(N/mm ²) Re (R _{0.2})	Tensile Strength, Rm,ksi (N/mm ²)	Elongation A ₅ %	Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J	TECHNICAL REQUIREMENTS:			
							Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A)			
REQUIRED	30(207)	75 (517)	45	50	140-223	100	A	B	C	D
EFFECTIVE	44.3(304)	81.1(557)	60	78	163	211	thin	thick	thin	thick
							2.5	2.0	1.5	1.0
							0.0	0.0	1.0	1.0

ICC-ASTM A262-08 (practice E)-test: O.K.
 Dimension/surface defects test, anti-mixing test – OK
 We acknowledge that the delivered products conform to the requirements of the order
 Ratio of reduction-5.5:1

Mechanical properties tested in state of delivery

US - testing yes Results: SEP 1921,group 3/class Cc - OK

Date: 15.07.2020 Manager of quality assurance department
 - V. Kapaieva
 Signed: 

Radiation free, mercury free. No Weld or Weld repair.

P.O.#: 0125704
 R#: R176745
 ITEM#: 527249
 HEAT#: A08738
 BRANCH#: 875

Melted and Produced in Ukraine.
 MELTED and MANUFACTURED PrJSC " Dniprospetsstal"
 Phone number +380612834255
 e-mail: info@dss.com.ua
 http://www.dss-ua.com

1/2.

MILL TEST REPORT
 Customer: ENCCAL PO#: P125704-875 SO#: LDQSW3
 Item: RB6L1500 Bundle: DSR6706009 Heat#: A08738
 TA CHEN INTERNATIONAL, INC.
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