

96690

MILL TEST REPORT

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Customer: ROLCON PO#:26995 SO#:PL2397
 Item:RB6L0832 Bundle:DS81933007 Heat#:96690

MTR#:DSRB1997.GIF

DS DSRB1997
87933007

Contract No.: 50005 TECHN.PROTOCOL № 210-11 SPEC.№3180/PO L32941 ASTM A182/A182M-10; ASME SA-182/SA-182M-10; ASTM A276-10; ASTM A314-08; ASTM A479/A479M-10; ASME SA-479/SA-479M-10; ASTM A484/A484M-10; AMS-QQ-S-763B-06 Cond.A; AMS 5648K-07; AMS 5653F-07; ASTM A193/A193M-10 GR B8M, CL 1; ASME SA-193/SA-193M-10GR B8M, CL 1; ASTM A320/A320M-08GR B8M, CL 1; ASME SA-320/SA-320M-10 GR B8M, CL 1; NACE MR 0175-03; NACE MR 0103-10	EN10204/3.1 Sheets: 10 Sheet: 3 QUALITY CERTIFICATE №.250842 PLANT ORDER № 8023403180
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CUSTOMER	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, pecked. Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 8.500in/215.90 mm L=3.725m/12.23 ft Grade: 316/F316/316L/F316L	QUANTITY: (number of pcs) 1bond Q-2535 8/1130 kg Delivery condition solution annealed : 1900-2010° F(1040-1100° C)/water термическая обработка: закалка в воду
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ANALYSES, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂		
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		
HEAT № 96690 ✓	.020	.27	1.30	.034	.025	16.94	10.08	2.04	.057	.29	.05	.16	.070	.08	.01	.0320		

MECHANICAL PROPERTIES	Yield Strength, Ksi(N/mm ²) Re (R _{eL})	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(205)	75 (515)	45	50	140-223	100	A B C D thin thick thin thick thin thick thin thick 3.0 2.0 3.0 2.0 0.0 0.0 1.0 1.0			
EFFECTIVE	42.3(288)	83.0(565)	59	75	167	214	ICC-ASTM A262-08(practice E)-test: O.K. „Dimension/surface defects test,anti-mixing test - O.K.“ Ratio of reduction- 9.7.1			

Mechanical properties tested in state of delivery

US - testing	yes	Results: SEP 1921,group 3, class Cc - OK
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Radiation free; mercury free. No Weld or Weld repair.

Manufacturer: JSC DNI-PROSPEKTSSTAL
 Date: 09.08.11 Signed:
 V. Kapitskiy
 Zaporozhye
 Made in Ukraine