

Customer: ASAALB PO#:P025426 SO#:LMZ606

MTR#:DSRB1737.GII

Item:RB6L2000 Bundle:DS79231008 Heat#:913629

913629 (20')

DSRB1737  
C040701

TUV  
SNT  
TIC

**L DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, ZAPOROZHYE 69008, UKRAINE**

Contract No: 50005  
 TECHN. PROTOCOL No: 210-11 SPEC. No: 2568/PPO L32283  
 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: 6 Sheet: 3  
 QUALITY CERTIFICATE No: 247780  
 PLANT ORDER No: 8023402568

CUSTOMER "DSS INTERNATIONAL SA" Switzerland COMMODITY CODE: RB6L2000/DS	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованые, обточенные.	QUANTITY: (number of pcs) 1bund (1) 9466 lb/4294 kg
	STEEL MAKING PROCESS: EAF- AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь / АКР Round 20.00in/508.00 mm L=2.615m/8.59 ft Grade: 316/F316/316L/F316L.	Delivery condition solution annealed : 1900-2010°F (1040-1100°C)/water термообработка: закалка в воду


ANALYSES. %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N <sub>2</sub>
REQUIRED	<.030	<1.00	1.25-2.00	<.040	0.020-0.030	16.00-18.00	10.00-14.00	2.00-3.00	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10
HEAT No 913629	.021	.39	1.35	.036	.024	16.50	10.00	2.05	.05	.28	.04	.07	.09	.07	.008	.040

MECHANICAL PROPERTIES	Yield Strength, Ksi(N/mm <sup>2</sup> ) Re (R <sub>0.2</sub> )	Tensile Strength, Rm, ksi (N/mm <sup>2</sup> )	Elongation, A, %	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) A B C D thin thick thin thick thin thick thin thick 3.0 1.5 2.0 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 - O.K.“ Ratio of reduction-7.2:1			
REQUIRED	30(205)	75 (515)	45	50	140-223	100				
EFFECTIVE	44.2(304)	88.5(608)	60	73	179	196				

Mechanical properties tested in state of delivery

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

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

Manufacturer: JSC DNIPROSPETSSTAL  
 Date: 29.05.11 Signed:   
 V. Kapaieva  
 Zaporozhye  
 Made in Ukraine.