



94732 (16")

ASA PO 77518 WO 5807 CPA 12 FOE 80

10 pcs + 2 pcs
C006031

	DNEPROSPETSSTAL, YUZHNOYE SHOSSE 81, ZAPOROZHYE 69008, UKRAINE																		
Contract No.: 07149 TECHN. PROTOCOL № 237-06 SPEC. № 5734/P003307 „AD 2000-Merkblatt WO/TRD 100(DGRL)9/123/EG” "DIN EN 10222-5, DIN EN 10085-3, DIN EN 10272, ASTM A 276, ASTM A 479, ASME SA-479" DIN EN 10085-3, DIN EN 10222-5, DIN EN 10272, ASTM A182/A182M-05, ASME SA-182/SA-182M-04, ASTM A 276-04, ASTM A 314-97(2002), ASTM A479/A479M-04, ASME SA-479/SA-479M-04, ASTM A484/A484M-05, AMS QQ-S 763A-03 Cond. A, QQS-763F Cond. A, NACE MR 0175-03, AMS 5648K-02, AMS 5653F-02, ASTM A193/A193M-04 GR B8M, CL 1, ASME SA-193/SA-193M-04 GR B8M, CL 1, ASTM A320/A320M-03 GR B8M, CL 1, ASME SA-320/SA-320M-04 GR B8M, CL 1	Sheet: 9 Sheet: 9 QUALITY CERTIFICATE № 231756 PLANT ORDER № 8071495734		EN10204/3.1																
CUSTOMER „DSS INTERNATIONAL SA” Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel, forged, peeled. Прутки из коррозионноустойчивых (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: Electric furnace СПОСОБ ВЫПЛАВКИ: Электропечная печь Round 16.00in/406.40 mm L=3.51m Grade: 316/316L/1.4401/1.4404										QUANTITY: (number of pcs) 1bund. Q-3710 kg								
											Delivery condition Heat-treated (solution annealing 1010° ±10 C water 27minutes) С термич.обработкой в воде 1010° ±10 C 27мин.								
ANALYSES, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂	Sn	B	
REQUIRED	<.030	<1.00	1.20-2.00	<.045	.015-.030	16.50-18.00	10.00-13.00	2.00-2.50	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10			
HEAT № 94732	.021	.34	1.29	.038	.028	16.78 ✓	10.22 ✓	2.05 ✓	.055	.23	.05	.07	.11	.074	.01	.032	.006	.0013	
	DIN EN 10002-1, ASTM A 370										TECHNICAL REQUIREMENTS: Macrostructure - GOOD GRAIN SIZE: 5 to ASTM E 112 Nonmetallic inclusions ASTM E 45 (Method A) A B C D thin thick thin thick thin thick thin thick 2.5 2.0 2.0 1.5 0.0 0.0 1.0 1.0 ICC-EN ISO 3651-2(EN 114, ASTM A262, method E)-test: O.K. "Anti-mixing test-O.K." „Dimension test and surface defects test is accomplished"								
MECHANICAL PROPERTIES	Yield Strength, N/mm ² (ksi) R0.2% R1.0%		Tensile Strength, Rm, N/mm ² (ksi)	Elongation A ₅ % in 2 inches (50mm) or 40,mm, % (ASTM A370) L		Reduction of area, L Q %	Brinell Hardness HB	Impact strength, KV, J L Q											
REQUIRED	205 240		515-690	45 35 40		50	Max 215	100 60											
EFFECTIVE	273 (40.1) 311 (45.7)		573 (84.2)	59 50 57 59 50 56		75 75	174 174	275 270 270 61 61 62 274 275 275 62 61 61											
	Mechanical properties tested in state of delivery																		
US - testing	yes	Results: DIN EN 10228-4 type 1a class 3: O.K. «ASME SA-388/SA-388M» «ASTM A388/A388M» «FBH 1/5"»										Manufacturer: JSC DNEPROSPETSSTAL Date: 06.04.10 Signed:  V. Kapaieva Zaporozhye Made in Ukraine.							
	Radiation free; mercury free. No Weld or Weld repair.																		