




HT# A05572

C204643

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№7683/PO42853-ED DIN EN 10088-3-05, DIN EN 10272-08, DIN EN 10222-5-00, 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-10GR B8M, CL1; ASME SA-193/SA-193M-10 GR B8, CL 1; ASTM A320/A320M-08 GR B8M, CL 1; ASME SA-320/SA-320M-10 GR B8, CL1; NACE MR 0175-03; NACE MR 0103-10										INSPECTION CERTIFICATE EN10204/3.1 Nr.329505 PLANT ORDER № 8014907683																									
	 QMS Certified	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: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 15.000in/381.00 mm L=17.639 ft/5.380m Grade: 316/316L/1.4401/1.4404										QUANTITY: (number of pcs) 1bund Q-11014 lb/4996 kg Delivery condition solution annealed :1922°F(1050°C)water 34minutes термообработка:закалка в воду																							
ANALYSIS, %																		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B	
REQUIRED																		<.030	<1,00	1.20-2.00	<.040	.015-.030	16.50-18.00	10.00-13.00	2.00-2.50	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10			
CAST № A05572																		.022	.44	1.29	.040	.027	16,78	10.14	2.09	.079	.26	.03	.05	.005	.09	.01	.030	.0082	.0027	
DIN EN 10002-1, ASTM A370-09																																				
MECHANICAL PROPERTIES		Yield Strength, (N/mm ²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm ²)		Elongation A5% L Q In 2 inches (50mm) or 4D, min, % L		Reduction of area, Z % L		Brinell Hardness HB		Impact strength, KV, J L Q		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 2.0 3.0 2.0 0.0 0.0 1.0 1.0																						
REQUIRED		205	240	515-690		45	35	40	50	140-223		100	60	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/Подтверждаем, что поставленная продукция соответствует требованиям заказа																						
EFFECTIVE		281	303	575		58	49	57	73	170		191	191	191	65	65	65																			
Mechanical properties tested in state of delivery																																				
US - testing		yes		Results: ASTM A388/A388M-FBH1/5"; EN 10228-4 type 1a; class 3:OK												Manufacturer: PrJSC DNIPROSPETSSTAL Date: 22.01.18 Manager of quality assurance department - V. Kapaieva Signed:  Zaporozhye Made in Ukraine.																				
Radiation free; mercury free. No Weld or Weld repair.																																				