




HT# A02078

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PJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYYE, UKRAINE																					
	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№7174/P037291 DIN EN 10088-3-05, DIN EN 10272-08, AD2000-Merkblatt W2; AD 2000-Merkblatt W10; 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 5639H-07; AMS 5647H-07; ASTM A193/A193M-10GR B8,CL1; ASME SA-193/SA-193M-10 GR B8,CL 1; ASTM A320/A320M-08 GR B8,CL 1; ASME SA-320/SA-320M-10 GR B8,CL1; NACE MR 0175-03; NACE MR 0103-10											Sheets:5 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr.295096 PLANT ORDER № 8014907174									
		CUSTOMER DSS INTERNATIONAL SA Switzerland			PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионноустойчивых (нержавеющих) сталей горячекатаные, обработанные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 7.500in/190.50 mm L=3.550m/11.639ft Grade: 304/304L/1.4301/1.4307											QUANTITY: (number of pcs) 1bund Q-3642 lb/1652 kg					
Delivery condition solution annealed :1900° F(1040° C)water 30minutes термообработка:закалка в воду																					
ANALYSIS, %																					
	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	<.040	.015-.030	18.00-19.50	8.00-10.00	<.30	<10	<40	<.10	<.20	<.15	<40	<.20	<.10					
CAST № A02078	.022	.43	1.62	.040	.024	18,30	8.30	.21	.073	.18	.05	.11	.005	.11	.012	.061	.007	.001			
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 A ₅ % L Q		In 2 inches (50mm) or 4D, min, % L	Reducti on 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 2.5 2.0 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 – OK We acknowledge that the delivered products conform to the requirements of the order										
	REQUIRED	205 230	515-700	45 35	40	50	140-223	100	60												
	EFFECTIVE	300 319	604	65 56	63	81	179	258 273 278	101 103 103												
Mechanical properties tested in state of delivery																					
US - testing	yes	Results: ASME SA-388/SA-388M-10(ASTM A 388/A 388M-09)-FBH1/8";EN 10308 type 1a;class 3:OK																			
Radiation free; mercury free. No Weld or Weld repair.																					
Manufacturer: PJSC DNIPROSPETSSTAL Date: 28.04.15 Manager of quality assurance department - V. Kapaicva Signed:  Zaporozhye Made in Ukraine.																					