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HTA A05575 SW# 4974

**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, 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 5648K-07, AMS 5653F-07, ASTM A193/A193M-10GR B8M, CL1 (EXC PAR 7.2), ASME SA-193/SA-193M-10 GR B8, CL1 (EXC PAR 7.3), NACE MR 0175-03, NACE MR 0103-10		Sheets: 3 INSPECTION CERTIFICATE EN10204/3.1 Nr. 329829 PLANT ORDER № 8014907683 Sheet: 2																
 DSS INTERNATIONAL SA Switzerland QMS Certified		<b>PRODUCT DESCRIPTION</b> Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. <b>STEEL MAKING PROCESS: EAF+AOD</b> <b>СПОСОБ ВЫПУСКА: Электродуговая печь+АКР</b> Round 5.000in/127.00 mm L=5.630m/18.459ft L=5.630m/18.459ft <b>Grade: 316/316L/1.4401/1.4404</b>		QUANTITY: (number of pcs) 1bund Q-3845 lb/1744 kg 1bund Q-2562 lb/1162 kg Delivery condition solution annealed : 1900°F(1040°C)water 30minutes термообработка: закалка в воду																
<b>ANALYSIS, %</b>		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B	
<b>REQUIRED</b>		<.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			
<b>CAST № A05575</b>		.018	.44	1.36	.039	.024	17.28	10.24	2.07	.068	.32	.05	.08	.005	.11	.015	.026	.0096	.0025	
DIN EN 10002-1, ASTM A370-09																				
<b>MECHANICAL PROPERTIES</b>		Yield Strength, (N/mm <sup>2</sup> ) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm <sup>2</sup> )		Elongation A5% L Q		Reduction of area, Z% L		Brinell Hardness HB		Impact strength, KV, J L Q								
<b>REQUIRED</b>		205	240	515-690	40 -	40	50	140-217	100	-										
<b>EFFECTIVE</b>		285	308	580	60 -	60	79	170	238 238	238										
		281	310	576	61 -	59	79	170	240 240	240										
Mechanical properties tested in state of delivery																				
US - testing		yes	Results: ASTM A388(A388M)-FBH1/8"; EN 10308 type Ia; class 3:OK																	
Radiation free; mercury free. No Weld or Weld repair.																				
Manufacturer: PrJSC DNIPROSPETSSTAL Date: 26.01.18 assurance department - V. Kapateva Signed:  Zaporozhye Made in Ukraine.																				

Mar 09/19

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