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ASA PO 77400 WO 5780h CPA 3 FOEL 40/80 13'9"

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PJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE																		
	Contract No.: 50005 TECHN. PROTOCOL № 210-11 SPEC. № 5867/P026485-ED 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, CL1 (EXC PAR 7.2); ASME SA-193/SA-193M-10 GR B8M, CL1 (EXC PAR 7.3) NACE MR 0175-03 NACE MR 0103-10											Sheets: 16 Sheet: 11 QUALITY CERTIFICATE EN10217/3.1 Nr. 262790 PLANT ORDER № 8014905867						
		CUSTOMER DSS INTERNATIONAL SA Switzerland <i>ok 8/28/12</i>			PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Продукт из коррозионноустойчивых (нержавеющих) сталей горячекатаные, обточенные на линии «Ландграф». STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь + АКР Round 5.25m/133.35mm L=3.400-5.500m/11.148-18.033ft Grade: 316/F316/316L/F316L							QUANTITY: 1bund Q-3695 lb/1676 kg (number of pcs) 1bund Q-2628 lb/1192 kg						
Delivery condition Solution annealed : 1900-2010°F (1040-1100°C) / water / 30 minutes термообработка: закалка в воду / 8 мин.																		
ANALYSIS, %																		
	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂		
REQUIRED	<.030	<1.00	1.25-2.00	<.040	.020-.030	16.00-18.00	10.00-14.00	2.00-3.00	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10		
CAST Heat # № 97825	.020	.40	1.38	.030	.022	16.98	10.23	2.10	.052	.21	.04	.05	.005	.06	.01	.0580		
ASTM A370-08a																		
MECHANICAL PROPERTIES		Yield Strength, Ksi (N/mm ²) Re (R _{eL})	Tensile Strength, Rm, Ksi (N/mm ²)	Elongation A ₅ , %	Reduction of area, Z, %	Brinell Hardness HB	Impact strength, KCV, 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 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									
REQUIRED		36(248)	75 (515)	45	50	140-223	100											
EFFECTIVE		42.2(290)	85.9(590)	59	78	170	283											
Mechanical properties tested in state of delivery																		
US - testing		yes	Results: SEP 1921, group 3/class Dd - OK ASTM A-388 FBH 1/8 (3.175mm)										Manufacturer: PJSC DNIPROSPETSSTAL Date: 07.06.12 Manager of quality assurance department - V. Kapaieva Signed: 					
Radiation free; mercury free. No Weld or Weld repair.																		
Zaporozhye Made in Ukraine.																		