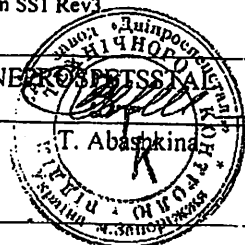


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	JSC DNEPROSPETSSTAL YUZHNOYE SHOSSE 69008, ZAPOROZHYE UKRAINE		Purchase order No.: 07149 TECHN. PROTOCOL № 210-96 SPEC. M0683068603-AG ASTM A182/A182M-05; ASME SA-182 SA-182M-04; ASTM A276-04; ASTM A479/A479M-04; ASTM A479 SA-479 SA-479M-04; ASTM A479/A479M-05; AMS QQ-S-763M-03 Cont. A; NACE MR 0175-2000; AMS 5639H-02; AMS 5617H-02; ASTM A193/A193M-04 GR. B8, C1; ASME SA-193 SA-193M-04 GR. B8, C1; NACE MR 0175										Sheets: 7 Sheet: 1 QUALITY CERTIFICATE EN 10204/3.1 Nr.207957 PLANT ORDER № 8071490685						
CUSTOMER: „DSS INTERNATIONAL SA Switzerland			PRODUCT DESCRIPTION: Rods of corrosion-resistant (stainless) steel forged peeled Прутки из коррозионностойких (нержавеющих) сталей кованые, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 8,50in/215,90 mm L=3,38m L=4,86m Grade: 304/F304L/304L/F304L										QUANTITY: 1bund Q-2249 lb/1020kg (number of pcs) 1bund Q-3219 lb/1460kg						
													Delivery condition solution annealed : 1900-2010° F(1040-1100°C)/water термообработка: закалка в воду						
ANALYSES, %	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	18.00-20.00	8.00-10,50	<.30	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10			
CAST № 93149	.023	.35	1.53	.035	.025	18.48	8.36	.25	.06	.26	.04	.09	.007	.071	.01	.06			
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, KV, J													
REQUIRED	30(205)	75 (515)	45	50	140-223	100													
EFFECTIVE	40,2(277)	81 (558)	60	75	163	260													
Heat treatment (specimen)			Delivery condition: In state of delivery																
US - testing	yes	Results: SEP 1921, 3/Cc - O.K.														Manufacturer: JSC DNEPROSPETSSTAL Date: 25.02.08 Signed:			
Radiation free; mercury free. No Weld or Weld repair.																		Zaporozhye Made in Ukraine.	



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