



C291124

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE																			
	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 0973/PO50209 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,CL 1(EXC PAR 7.3);NACE MR 0175-03;NACE MR 0103-10													INSPECTION CERTIFICATE EN10204/3.1 Nr. 368184 PLANT ORDER № 8014900973					
		CUSTOMER DSS INTERNATIONAL SA Switzerland			PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line.Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 3.750in/95.25 mm L=16.033ft/4.890 m L=15.574ft/4.750 m L=14.262ft/4.350 m L=12.557ft/3.830 m Grade: 316/316L/1.4401/1.4404									QUANTITY: (number of pcs)		1bund Q-3051 lb/1384 kg 1bund Q-3034 lb/1376 kg 1bund Q-560 lb/254 kg 1bund Q-498 lb/226 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	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 № A09656	.021	.48	1.33	.040	.025	16.92	10.21	2.07	.069	.27	.06	.07	.008	.12	.01	.026	.0075	.0022	
DIN EN 10002-1,ASTM A370-09																			
MECHANICAL PROPERTIES	Yield Strength, (N/mm²) R _{0.2} R 1.0%		Tensile Strength, R_m, (N/mm²)	Elongation		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J		TECHNICAL REQUIREMENTS: Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A)									
				A ₅ %	in 2 inches (50mm) or 4D,min,%			L	Q	L	Q	-A	B	C	D				
	REQUIRED	205	240	515-700	40	-	40	50	140-217	100	-	thin	thick	thin	thick	thin	thick	thin	thick
EFFECTIVE	295	319	568	59	-	58	77	167	220	220	220	221	221	221	-	-	-	-	-
Mechanical properties tested in state of delivery																			
US - testing	yes	Results: ASTM A388/A388M-FBH1/8";EN 10308 type 1a;class 3:OK													Date: 01.04.2021 Manager of quality assurance department - V. Kapaieva Signed:				
Radiation free; mercury free. No Weld or Weld repair.																			
Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC "Dnipropetsstal" Phone number +380612834255 e-mail:info@dss.com.ua http://www.dss-ua.com																			

Provided by CPA

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