



C277646

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 9684/PO49596 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; ASME SA-193/SA-193M-10 GR B8, CL 1; ASTM A320/A320M-08 GR B8M, CL 1; ASME SA-320/SA-320M-10 GR B8M, CL 1; NACE MR 0175-03; NACE MR 0103-10	INSPECTION CERTIFICATE EN10204/3.1 Nr. 363163 PLANT ORDER № 8014909684
---	---	--

	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, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AAD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 5.000in/127.00 mm L=5.660/18.557ft L=5.640m/18.492ft L=4.210m/13.803ft Grade: 316/316L/1.4401/1.4404	QUANTITY: (number of pcs)	1bund Q-3840 lb/1742 kg 1bund Q-2571 lb/1166 kg 1bund Q-957 lb/434 kg
			Delivery condition solution annealed : 1900 ⁰ F(1040 ⁰ 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 № A09103	.019	.52	1.41	.035	.026	16.78	10.33	2.07	.079	.30	.05	.06	.005	.190	.01	.026	.014	.0023

EN 10002-1, ASTM A370-09										TECHNICAL REQUIREMENTS:													
MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm ²)	Elongation		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J		Macrostructure – GOOD GRAIN SIZE : 6 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 3.0 2.0 1.5 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 Ratio of reduction-24.0:1													
	REQUIRED	205		240	40			-	40											50	140-217	100	-
EFFECTIVE	270	294	570	61	-	59	76	167	194											194	194	-	-
	272	299	574	60	-	59	78	167	201											201	201	-	-

US - testing	yes	Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK	Date: 06.11.2020 Manager of quality assurance department - V. Kapaieva Signed: Zaporozhье Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dniprospsststal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com
Radiation free; mercury free. No Weld or Weld repair.			



ANS