

C297128

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE																							
		Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 2327/PO51076 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-10 GR 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												Sheets:4 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr. 370940 PLANT ORDER № 8014902327									
		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 3.500in/88.90 mm L=5.320/17.443ft L=5.300m/17.377ft Grade: 316/316L/1.4401/1.4404										QUANTITY: (number of pcs)		1bund Q-4043 lb/1834kg 1bund Q-2897 lb/1314kg		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 № A09975		.017	.41	1.29	.040	.026	16.90	10.15	2.03	.08	.25	.04	.05	.006	.11	.01	.032	.008	.0022				
DIN EN 10002-1, ASTM A370-09																							
MECHANICAL PROPERTIES		Yield Strength, (N/mm ²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm ²)		Elongation A ₅ % L Q		In 2 inches (50mm) or 4D, min.% L		Reduction of area, Z % L		Brinell Hardness HB		Impact strength, KV, J L Q		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 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-38.9:1							
REQUIRED		205	240	515-690		40 - 40		50		140-217		100		-									
EFFECTIVE		291 295	327 332	564 572		60 - 60		58 58		75 77		167 167		220 220 220 230 230 230							-		
Mechanical properties tested in state of delivery																							
US - testing		yes		Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3: OK																			
Radiation free; mercury free. No Weld or Weld repair.																							
Date: 18.06.2021 Manager of quality assurance department - V. Kapaieva Signed: Zaporozhye Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC "Dnipropetsstal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com																							

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