




C311183

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 4176/POS2377 DIN EN 10088-3-05, DIN EN 10272-08, AD2000-Merkblatt W2; AD 2000-Merkblatt W10; ASTM A 182/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. 376539 PLANT ORDER № 8014904176																									
		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 + АКП Round 6.250in/158.75 mm L=4.360/14.295ft L=5.620/18.426ft L=5.610/18.393ft Grade: 316/316L/1.4401/1.4404										QUANTITY: 1bund Q-1556 lb/706 kg 1bund Q-4012 lb/1820kg (number of pcs) 1bund Q-2006 lb/910 kg		Delivery condition solution annealed : 1900 ^o F(1040 ^o 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 № A10739																		.023	.42	1.40	.038	.027	16.97	10.32	2.04	.068	.36	.06	.04	.005	.18	.01	.029	.010	.0023	
DIN EN 10002-1, ASTM A370-09																		MECHANICAL PROPERTIES							TECHNICAL REQUIREMENTS: Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A)											
Yield Strength, (N/mm²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm²)		Elongation		Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J																												
				A ₅ , % L Q		In 2 inches (50mm) or 4D, min, % L																														
REQUIRED		205 240		515-700		40 - 40	50	140-217		100																										
EFFECTIVE		292 324 294 327		565 568		60 - 60	59 59	79 79	167 167		211 211 211 207 207 207																									
Mechanical properties tested in state of delivery																		thin thick thin thick thin thick thin thick 2.0 2.0 2.0 1.0 0.0 0.0 1.0 1.0																		
US - testing																		yes		Results: ASTM A388/A388M-FBH1/8"; EN 10308 type Ia; class 3:OK																
Radiation free; mercury free. No Weld or Weld repair.																		Date: 31.12.2021 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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