



C286522

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

		Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№0623/P050062 DIN EN 10088-3-05, DIN EN 10272-08, DIN EN 10222-5-00, 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; 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 B8, CL 1; NACE MR 0175-03; NACE MR 0103-10										INSPECTION CERTIFICATE EN10204/3.1 Nr.366188 PLANT ORDER № 8014900623								
							CUSTOMER DSS INTERNATIONAL SA Switzerland					PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионноустойчивых (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: EAF+AD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 13.0in/330.20 mm L=10.262 ft/3.13 m; Grade: 316/316L/1.4401/1.4404					QUANTITY: 1bund Q-4846 lb/2198 kg (number of pcs) Delivery condition solution annealed :1922° F(1050°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 № A09332		.021	.44	1.38	.037	.024	16.90	10.27	2.07	.066	.28	.06	.04	.005	.13	.021	.030	.0094	.0024	
DIN EN 10002-1, ASTM A370-09																				
MECHANICAL PROPERTIES		Yield Strength, (N/mm ²) R0.2% R1.0%		Tensile Strength, Rm, (N/mm ²)		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 B C D thin thick thin thick thin thick thin thick 2.5 1.5 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/Подтверждаем, что поставленная продукция соответствует требованиям заказа Ratio of reduction-6.1:1								
						As% L Q	In 2 inches (50mm) or 4D, min, % L			L	Q									
		REQUIRED		205	240	515-690	45 35	40	50	140-217	100									
EFFECTIVE		278	306	568	58 49	57	73	163	198 198 198	64 64 64										
Mechanical properties tested in state of delivery																				
US - testing		yes	Results: ASTM A388/A388M)-FBH1/5"; EN 10228-4 type 1a; class 3:OK																	
Radiation free; mercury free. No Weld or Weld repair.										Date: 02.02.21 Manager of quality assurance department Signed: - V. Kapateva Zaporozhyc Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dniprospestal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com										



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