




C282604

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE																		
		Contract No.: 20002 TECHN. PROTOCOL № 210-11 SPEC. № 4008/PO5757 ASTM A182/A182M-16a; ASME SA-182/SA-182M-17; ASTM A276-17; ASTM A314-15; ASTM A479/A479M-17; ASME SA-479/SA-479M-17; ASTM A484/A484M-18; AMS-QQ-S-763D-15 Cond.A; AMS 5648M-16; AMS 5653H-12; ASTM A193/A193M-16 GR B8M,CL1; ASME SA-193/SA-193M-17 GR B8M,CL1; ASTM A320/A320M-17b GR B8M,CL 1; ASME SA-320/SA-320M-17 GR B8M,CL 1; ANSI/NACE MR 0175/ISO 15156-3-15; ANSI/NACE MR 0103/ISO 17945-15										INSPECTION CERTIFICATE EN10204/3.1 Nr.349859 PLANT ORDER № 8015204008						
					CUSTOMER DSS INTERNATIONAL SA Switzerland			PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованы, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 19.000in/482.60 mm L=10.820ft/3.300m Grade: 316/F316/316L/F316L				QUANTITY: (number of pcs) 1bund Q-10873 lb/4932 kg			Delivery condition solution annealed :1900-2010 ^o F(1040-1100 ^o C)/water термообработка:закалка в воду			
ANALYSIS, %		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	
REQUIRED		<.030	<1,00	1.25-2.00	<.040	.020-.030	16.00-18.00	10.00-14.00	2.00-3.00	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10	
CAST № A07668		.020	.43	1.55	.038	.020	16.42	10.28	2.06	.06	.29	.06	.06	.005	.13	.01	.030	
MECHANICAL PROPERTIES							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 2.0 2.0 2.0 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-4,6:1											
REQUIRED							30(207) 75 (517) 45 50 140-223 100											
EFFECTIVE							43.5 (299) 81.1(557) 60 78 163 208											
Mechanical properties tested in state of delivery																		
US - testing		yes	Results: SEP 1921, group 3/class Cc - OK															
Radiation free; mercury free. No Weld or Weld repair.																		
Date: 29.09.19 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																		

ANS