




**PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE**

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№3055/PO51518 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-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 B8,CL1; NACE MR 0175-03; NACE MR 0103-10										Sheets:3 Sheet: 3																			
	 CUSTOMER <b>DSS INTERNATIONAL</b> SA Switzerland										<b>PRODUCT DESCRIPTION</b> Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионноустойчивых (нержавеющих) сталей кованные, обточенные. <b>STEEL MAKING PROCESS: EAF+AOD</b> <b>СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР</b> Round 11.000in/279.40 mm L=14.000ft/4.270m L=14.000 ft/4.380m <b>Grade: 316/316L/1.4401/1.4404</b>										QUANTITY: <b>Ibund Q-4705 lb/2134 kg</b> (number of pcs) <b>Ibund Q-4841 lb/2196 kg</b>									
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 № A10095												.020	.52	1.39	.037	.025	17.03	10.15	2.06	.069	.37	.05	.06	.005	.12	.012	.028	.010	.0022	
DIN EN 10002-1, ASTM A370-09												<b>MECHANICAL PROPERTIES</b>										<b>TECHNICAL REQUIREMENTS:</b> 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 2.0 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-7.4:1								
REQUIRED												205	240	515-690	45 35	40	50	140-217	100	60										
EFFECTIVE												281	327	562	63 58	61	77	167	230 230 230	61 61 61										
Mechanical properties tested in state of delivery												US - testing										Date: 20.07.2021 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								
Results: ASTM A388/A388M-FBH1/5"; EN 10228-4 type 1a; class 3:OK												Radiation free; mercury free. No Weld or Weld repair.																		

P.O.# 6141 Part# 08-FOE-40 Desc: 8" CPA 50E S-40 316 S/S