



C297121

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 1859/PO50615 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-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										Sheets: 4 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr. 370846 PLANT ORDER № 8014901859										
	 CUSTOMER DSS INTERNATIONAL SA Switzerland										PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионноустойчивых (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 6.250in/158.75 mm L=15.180ft/4.630 m L=15.508ft/4.730 m Grade: 316/316L/1.4401/1.4404										QUANTITY: 1bund Q-1658 lb/752 kg (number of pcs) 1bund Q-1693 lb/768 kg
Delivery condition solution annealed :1900°F(1040°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 № A09881		.018	.44	1.34	.039	.024	16.82	10.21	2.07	.066	.28	.05	.05	.005	.13	.012	.032	.0087	.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		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 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 Ratio of reduction-13.5:1												
			A ₁ % L Q	In 2 inches (50mm) or 4D, min, % L			L	Q													
	REQUIRED	205 240	515-700	40 -	40	50	140-217	100											-		
EFFECTIVE	280 319	570	60 -	59	75	167	220 220 220	-													
Mechanical properties tested in state of delivery																					
US - testing		yes	Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK										Date: 15.06.2021 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								
Radiation free; mercury free. No Weld or Weld repair.																					

