




C204655

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 6956/PO42393-ED 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 (EXC PAR 7.2); ASME SA-193/SA-193M-10 GR B8, CL 1 (EXC PAR 7.3); NACE MR 0175-03; NACE MR 0103-10										INSPECTION CERTIFICATE EN10204/3.1 Nr. 328232 PLANT ORDER № 8014906956																																																		
	 GMS Certified	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+АКР Round 3.750in/95.25 mm L=5.590m/18.328ft Grade: 316/316L/1.4401/1.4404					QUANTITY: (number of pcs) 1bund Q-3589 lb/1628 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 № A05382																			.018	.47	1.29	.040	.025	16.82	10.24	2.11	.078	.27	.05	.11	.005	.10	.01	.020	.0083	.0026																									
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) <table border="1"> <thead> <tr> <th colspan="2">A</th> <th colspan="2">B</th> <th colspan="2">C</th> <th colspan="2">D</th> </tr> <tr> <th>thin</th> <th>thick</th> <th>thin</th> <th>thick</th> <th>thin</th> <th>thick</th> <th>thin</th> <th>thick</th> </tr> </thead> <tbody> <tr> <td>2.5</td> <td>2.0</td> <td>2.5</td> <td>2.0</td> <td>0.0</td> <td>0.0</td> <td>1.0</td> <td>1.0</td> </tr> </tbody> </table> 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											A		B		C		D		thin	thick	thin	thick	thin	thick	thin	thick	2.5	2.0	2.5	2.0	0.0	0.0	1.0	1.0
A		B		C		D																																																							
thin	thick	thin	thick	thin	thick	thin	thick																																																						
2.5	2.0	2.5	2.0	0.0	0.0	1.0	1.0																																																						
REQUIRED																			205	240	515-690	40 -	40	50	140-217	100	-																																		
EFFECTIVE																			291	314	601	61 -	59	75	179	225 225 225	-																																		
Mechanical properties tested in state of delivery																																																													
US - testing																			yes	Results: ASME SA-388/SA-388M-10(ASTM A 388/A 388M-09)-FBI11/8"; EN 10308 type 1a; class 3:OK										Manufacturer: PrJSC DNIPROSPETSSTAL Date: 12.12.17 Manager of quality assurance department - V. Kapaieva Signed:  Zaporozhye Made in Ukraine.																															
Radiation free; mercury free. No Weld or Weld repair.																																																													

ANS