




-108 pcs

C214248

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 8367/PO43227 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-10 GR 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										Sheets: 5 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr. 332613 PLANT ORDER № 8014908367																	
	 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=5.540m/18.164ft L=3.720m/12.197ft Grade: 316/316L/1.4401/1.4404										QUANTITY: 1bund Q-2822 lb/1280 kg (number of pcs) 1bund Q-481 lb/218 kg															
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 № A05784 .020 .47 1.40 .040 .024 17.18 10.22 2.04 .068 .29 .05 .09 .005 .10 .012 .032 .010 .0024																												
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 A5% L In 2 inches (50mm) or 4D, min, % L		Reduction of area, Z % L		Brinell Hardness HB		Impact strength, KV, J L Q															
REQUIRED			205	240	515-690		40 -	40	50	140-217		100	-															
EFFECTIVE			281 275	300 294	572 577		62 - 60 -	61 60	79 79	170 170		230 230 230 224 224 224	-															
Mechanical properties tested in state of delivery																												
US - testing			yes	Results: ASTM A388/A388M-FBH1/8"; EN 10308 type Ia; class 3:OK																								
Radiation free; mercury free. No Weld or Weld repair.																												
TECHNICAL REQUIREMENTS: Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <table style="width:100%; font-size: x-small; text-align: center;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td> </tr> <tr> <td>thin</td><td>thick</td><td>thin</td><td>thick</td> </tr> <tr> <td>3.0</td><td>2.0</td><td>2.0</td><td>1.0</td> </tr> <tr> <td>0.0</td><td>0.0</td><td>0.0</td><td>1.0</td> </tr> </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	3.0	2.0	2.0	1.0	0.0	0.0	0.0	1.0
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Manufacturer: PrJSC DNIPROSPETSSTAL Date: 16.04.18 Manager of quality assurance department - V. Kapaieva Signed:  Zaporozhye Made in Ukraine.																												

Aug 17/18