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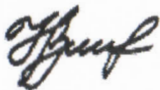
**PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE**

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№1897/PO45605 DIN EN 10088-3-05, DIN EN 10272-08, DIN EN 10222-5-00, 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 B8, CL1; NACE MR 0175-03; NACE MR 0103-10	Sheets: 5                      Sheet: 5 <b>INSPECTION CERTIFICATE EN10204/3.1 Nr.343151</b> PLANT ORDER № 8014901897
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 GMS Certified	CUSTOMER <b>DSS INTERNATIONAL</b> SA Switzerland	<b>PRODUCT DESCRIPTION</b> Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные. <b>STEEL MAKING PROCESS: EAF+AOD</b> <b>СПОСОБ ВЫПЛАВКИ:</b> Электродуговая печь+АКР Round 8.500in/215.90 mm L=14.656 ft/4.47m L=15.410 ft/4.70 m <b>Grade: 316/316L/1.4401/1.4404</b>	QUANTITY: <b>1bund Q-2985 lb/1354 kg</b> (number of pcs) <b>1bund Q-3131 lb/1420 kg</b>  Delivery condition solution annealed : 1922° F(1050° C) water 30minutes термообработка: закалка в воду
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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 № A06949	.019	.42	1.33	.037	.028	16.95	10.43	2.07	.054	.32	.06	.03	.005	.14	.01	.026	.0094	.0023

DIN EN 10002-1, ASTM A370-09										<b>TECHNICAL REQUIREMENTS:</b> Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <table style="width:100%; 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> </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/Подтверждаем, что поставленная продукция соответствует требованиям заказа Ratio of reduction-8.3:1										A	B	C	D	thin	thick	thin	thick	3.0	2.0	2.0	1.0
A	B	C	D																												
thin	thick	thin	thick																												
3.0	2.0	2.0	1.0																												
MECHANICAL PROPERTIES	Yield Strength, (N/mm <sup>2</sup> ) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm <sup>2</sup> )	Elongation		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J																							
	L	Q	A5%	In 2 inches (50mm) or 4D, min, % L	L			L	Q																						
REQUIRED	205	240	515-690	45	35	40	50	140-223	100	60																					
EFFECTIVE	285	316	561	60	53	59	77	167	189	189	61	61	61																		

US - testing	yes	Results: ASTM A388/A388M)-FBH1/8"; EN 10228-4 type 1a; class 3:OK	
Radiation free; mercury free. No Weld or Weld repair.			Manufacturer: PrJSC DNIPROSPETSSTAL Date: 04.03.19 <b>Manager of quality</b> <b>assurance department - V. Kapaieva</b> Signed:  Zaporozhye Made in Ukraine.

Dec 13/19

JNS