



C302653

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

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 3055/PO51518 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:3 Sheet: 2 <b>INSPECTION CERTIFICATE EN10204/3.1 Nr. 371973</b> PLANT ORDER № 8014903055
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	<b>CUSTOMER</b> <b>DSS INTERNATIONAL</b> <b>SA Switzerland</b>	<b>PRODUCT DESCRIPTION</b> Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. <b>STEEL MAKING PROCESS: EAF+AOD</b> <b>СПОСОБ ВЫПЛАВКИ: Электродуговая печь+AOP</b> Round 6.250in/158.75 mm L 5.470/18.000ft L=5.240m/17.000ft <b>Grade: 316/316L/1.4401/1.4404</b>	QUANTITY: <b>1bund Q-5683lb/2578 kg</b> (number of pcs) <b>1bund Q-1869lb/848 kg</b>
			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 № A10112	.022	.47	1.39	.037	.023	17.22	10.26	2.08	.075	.30	.06	.06	.005	.15	.011	.032	.0109	.0022

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) 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-15.1:1								
MECHANICAL PROPERTIES	Yield Strength, (N/mm²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm²)	Elongation		Reduction of area, Z, % L	Brinell Hardness HB	Impact strength, KV, J										
	L	Q		A <sub>5</sub> %	In 2 inches (50mm) or 4D,min,% L			L	Q									
REQUIRED	205	240	515-700	40	-	40	50	140-217	100	-								
EFFECTIVE	290	326	576	63	-	61	79	170	221 221 221	-								
	292	331	578	62	-	61	79	170	224 224 224	-								

Mechanical properties tested in state of delivery		US - testing      yes      Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK		Date: 20.07.2021 <b>Manager of quality assurance</b> 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.				



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