



C303497

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, 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-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: 2 Sheet: 1																																																																			
											INSPECTION CERTIFICATE EN10204/3.1 Nr. 372531 PLANT ORDER № 8014903055																																																																			
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 750m/95.25 mm L=4.720/15.000ft Grade: 316/316L/1.4401/1.4404										QUANTITY: (number of pcs) 1bund Q-5935lb/2692kg																																																																	
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 № A10116																			.023	.41	1.34	.040	.024	16.90	10.28	2.05	.064	.33	.06	.05	.005	.14	.01	.030	.0104	.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		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J		TECHNICAL REQUIREMENTS:																																																																			
					A, % L	Q In 2 inches (50mm) or 4D, min, % L			L		Q		Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <table border="1"> <tr> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <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>2.0</td> <td>0.0</td> <td>0.0</td> <td>1.0</td> <td>1.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								A	B	C	D																	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	3.0	2.0	2.0	2.0	0.0	0.0	1.0	1.0										
A	B	C	D																																																																											
thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick																																																											
3.0	2.0	2.0	2.0	0.0	0.0	1.0	1.0																																																																							
REQUIRED		205	240	515-700	40	-	40	50	140-217	100	-																																																																			
EFFECTIVE		296 300	337 331	564 568	60	-	58 58	78 78	163 163	203 203 203 201 201 201	-																																																																			
Mechanical properties tested in state of delivery											We acknowledge that the delivered products conform to the requirements of the order Ratio of reduction-35.1:1																																																																			
US - testing		yes	Results: ASTM A388/A388M-FB111/8"; EN 10308 type 1a; class 3:OK																																																																											
Radiation free; mercury free. No Weld or Weld repair.											Date: 04.08.2021 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																																																																			

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