


C286524

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	CUSTOMER DSS INTERNATIONAL SA Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 15.0in/381.00 mm L=15.049 ft/4.59 m; Grade: 316/316L/1.4401/1.4404		INSPECTION CERTIFICATE EN10204/3.1 Nr.366188 PLANT ORDER № 8014900623														
		QUANTITY: 1bund Q-9405 lb/4266 kg (number of pcs)		Delivery condition solution annealed :1922 ^o F(1050 ^o 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 № A09456	.020	.51	1.24	.036	.023	16.78	10.26	2.10	.069	.31	.06	.06	.005	.16	.01	.035	.0145	.0025
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: 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 2.5 2.0 2.0 2.0 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/Подтверждаем, что поставленная продукция соответствует требованиям заказа Ratio of reduction-6.3:1								
	REQUIRED	205		240	515-690			45 35	40									50
EFFECTIVE	283	312	552	61 54	60	77	167	240 240 240	61 61 61									
Mechanical properties tested in state of delivery										Date: 02.02.21 Manager of quality assurance department Signed: - V. Kapaieva Zaporozhye Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dniprospetsstal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com								
US - testing	yes	Results: ASTM A388/A388M)-FBH1/5";EN 10228-4 type 1a;class 3:OK																
Radiation free; mercury free. No Weld or Weld repair.																		

ANS