



Pr.JSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

 Contract No.: 20002  
 TECHN.PROTOCOL № 210 11 SPEC.№ 8181/10 L0533  
 ASTM A182/A182M-19;ASME SA-182/SA-182M-17;ASTM A276-17;ASTM A314-19;ASTM A479/A479M-19;ASME SA-479/SA-479M-17;ASTM A484/A484M-19;AMS-QQ-S-763D-15 Cond.A; AMS 5648M-16;AMS 5653J-19;ASTM A193/A193M-19 GR B8M,CL1 ;ASME SA-193/SA-193M-17 GR B8M,CL1;ASTM A320/A320M-18 GR B8M,CL 1; ASME SA-320/SA-320M-17 GR B8M,CL 1;ANSI/NACE MR 0175/ISO 15156-3-15;ANSI/NACE MR 0103/ISO 17945-15

Sheets: 5 Sheet: 5  
 INSPECTION CERTIFICATE EN10204/3 1 Nr.359053  
 PLANT ORDER № 8023408181

 CUSTOMER: DSS INTERNATIONAL SA, Switzerland, Ta Chen International, Inc., Long Beach, CA, 90805, Commodity code RB6L1500/DS

PRODUCT DESCRIPTION: Bars and rods of corrosion-resistant (stainless) steel forged, peeled.Прутки из коррозионноустойчивых (нержавеющих) сталей кованные, обточенные.  
 STEEL MAKING PROCESS: EAF+AOD  
 СПОСОБ ВЫПЛАВКИ:Электродуговая печь+АКР  
 Round 15.000in/381.00 mm L=15.279m/4.66 m;  
 Grade: 316/F316/316L/F316L

QUANTITY: 1bund Q-9511 lb/4314 kg (number of pcs)

Delivery condition: solution annealed :1900-2010° F(1040-1100°С)/water термообработка:закалка в воду

ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N
REQUIRED	<.030	<1.00	1.25-2.00	<.040	.020-.030	16.00-18.00	10.00-14.00	2.00-3.00	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10
CAST № A08738	.030	.41	1.33	.036	.023	16.81	10.40	2.06	.061	.33	.05	.06	.005	.09	.013	.032

MECHANICAL PROPERTIES	Yield Strength, Ksi(N/mm <sup>2</sup> ) Re (R <sub>e2</sub> )	Tensile Strength, Rm,ksi (N /mm <sup>2</sup> )	Elongation A <sub>5</sub> %	Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J
REQUIRED	30(207)	75 (517)	45	50	140-223	100
EFFECTIVE	44.3(304)	81.1(557)	60	78	163	211

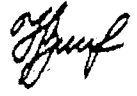
TECHNICAL REQUIREMENTS:  
 Macrostructure - GOOD  
 GRAIN SIZE: 5 to ASTM E 112-96(2004)  
 Nonmetallic inclusions ASTM E 45-05 (Method A)  

A	B	C	D
thin	thick	thin	thick
2.5	2.0	1.5	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-5.5:1

US - testing: yes Results: SEP 1921,group 3/class Cc - OK

Radiation free, mercury free, No Weld or Weld repair.

Date: 15.07.2020 Manager of quality assurance department - V. Kapaieva  
 Signed:   
 Zaporozhye  
 Melted and Produced in Ukraine.  
 MELTED and MANUFACTURED Pr.JSC "Dnipropetsstal"  
 Phone number +380612834255  
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 http://www.dss-ua.com

P.O.#: P125704  
 R#: R176745  
 ITEM#: 527249  
 HEAT#: A08738  
 BRANCH#: 875

SN 6406 12 FOE 40

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