

95274 (Handwritten)

C019976



DNEPROSPETSSTAL, YUZHNOYE SHOSSE 81, ZAPOROZHYE 69008, UKRAINE

AS Certified

Contract No.: 50005

CHN.PROTOCOL № 210-06 SPEC.№0431/PO21944

TM A182/A182M-05; ASME SA-182/SA-182M-04; ASTM A276-04;

TM A479/A479M-04; ASTM SA-479/SA-479M-04; ASTM A484/A484M-05; AMS-QQ-S-763A-03

*nd.A.NACE MR 0175-2003; AMS 5648K-02; AMS 5653F-02; ASTM A193/A193M-04c GR B8M, CL1 ;(EXC PAR 6.3)

ME SA-193/SA-193M-04GR B8M,CL1(EXC PAR 6.3);

Sheets: 7

Sheet: 7

EN10204/3.1

QUALITY CERTIFICATE Nr.237351

PLANT ORDER № 8014900431

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 11.00in/279.40 mm L=4,15m/13.61ft ;4.23m/13.87ft

Grade: 316/F316/316L/F316L

QUANTITY: 1bund Q-4586 lb/2080kg

(number of pcs) 1bund Q-1669 lb/2118kg

Delivery condition

solution annealed :1900-2010° F(1040-1100°C)/water

термообработка:закалка в воду

ANALYSES, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂		
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		
#EAT 95274	.028	.36	1.40	.036	.028	16.75	10.25	2.04	.071	.28	.05	.10	.016	.08	.017	.026		

MECHANICAL PROPERTIES ASTM A370-08a"	Yield Strength, Ksi(MPA)	Tensile Strength, Rm,ksi (N/mm ²)	Elongation in 2 inches (50mm) or 4D,min, % (ASTM A370)	Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J
REQUIRED	36(248)	75 (515)	45	50	140-223	100
EFFECTIVE	40.5(278)	81.1(557)	58	76.5	167	298

TECHNICAL REQUIREMENTS:

Macrostructure – GOOD

GRAIN SIZE : 4 to ASTM E 112

Nonmetallic inclusions ASTM E 45 (Method A)

A	B	C	D
thin	thick	thin	thick
2.5	1.5	1.5	1.0
0.0	0.0	1.0	1.0

ICC-ASTM A262-02a(Method E)-test: O.K.

„Dimension/surface defects test,anti-mixing test – O.K. “

Ratio of reduction- 7.1:1

Technical properties tested in state of delivery

S - testing yes Results: SEP 1921, 3/ Cc - O.K.

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

Manufacturer: JSC DNEPROSPETSSTAL

Date: 05.09.10 Signed:

V.Kapal'va

Zaporozhye

Made in Ukraine.

