

ASA PO 77285

97709

№ 5761/2 CIA 2 FOEL 40/80

Bundle L106383

CO58661
143.25"

PJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE



Contract No.: 50005
TECHN.PROTOCOL № 210-11 SPEC.№ 5867/P026485-ED
ASTM A182/A182M-10;ASME SA-182/SA-182M-10;ASTM A276-10;ASTM A314-08;ASTM A479A479M-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-10GR B8M,CL1(EXC PAR 7.3); **NACE MR 0175-03** NACE MR 0103-10

Sheets:9 Sheet: 1
QUALITY CERTIFICATE EN10204/3.1 Nr.260934
PLANT ORDER № 8014905867



CUSTOMER
DSS INTERNATIONAL SA
Switzerland

PRODUCT DESCRIPTION

Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (пержавеющих) сталей горячекатаные, обточенные на линии «Ландграф».
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электродуговая печь + АКР
Round 3.75in/95.25 mm L=3.400-5.500m/11.148-18.03ft
Grade: **316/F316/316L/F316L**

QUANTITY: **1bund Q-3210 lb/1456 kg**
(number of pcs)

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

Handwritten: 7/11/12

ANALYSIS, %	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		
CAST Heat# № 97709	.025	.39	1.38	.033	.023	16.85	10.18	2.10	.065	.23	.06	.09	.088	.09	.012	.0300		

ASTM A370-08a

MECHANICAL PROPERTIES	Yield Strength, Ksi(N/mm ²) Re (R _{e2})	Tensile Strength, Rm,ksi (N/mm ²)	Elongation A ₅ %	Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J
REQUIRED	36(248)	75 (515)	45	50	140-223	100
EFFECTIVE	40(275)	81(557)	60	79	163	273

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 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

Handwritten: 5V

Mechanical properties tested in state of delivery

US - testing yes Results: SEP 1921,group 3/class Dd - OK
ASTM A-388 FBH 1/8 (3.175mm)

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

Manufacturer: PJSC DNIPROSPETSSTAL
Date: 19.04.12 Manager of quality assurance department - V. Kapaieva
Signed:

Zaporozhye
Made in Ukraine.

Handwritten signature