

ASA PO 76319 W05513 C1A 3-80

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DNEPROSPETSSTAL, YUZHNOYE SHOSSE 81, ZAPOROZH'YE 69008, UKRAINE

QMS Certified

Contract No.: 50005
 TECHN. PROTOCOL № 210-06 SPEC. № 1462/P023042
 ASTM A182/A182M-05; ASME SA-182/SA-182M-04; ASTM A276-04;
 ASTM A479/A479M-04; ASTM SA-479/SA-479M-04; ASTM A484/A484M-05; AMS-QQ-S-763A-05
 Cond. A: NACE MR 0175-2003; AMS 5648K-02; AMS 5653F-02; ASTM A193/A193M-04c GR B8M, CL1 (EXC PAR 6.3)
 ASME SA-193/SA-193M-04GR B8M, CL1 (EXC PAR 6.3); NACE MR0103

EN10204/3.1
 Sheets: 6 Sheet: 1
 QUALITY CERTIFICATE № 243760
 PLANT ORDER № 8014901462

CUSTOMER
 „DSS INTERNATIONAL SA“
 Switzerland

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line (Лінійка на експозиційно-робочій (дефалсуючій) грані) (прокатаране одроєнню на розіві лінійки).
 STEEL MAKING PROCESS: EAF+ADD
 CTOCOB BИПЛІАВКН: електродугова неліт. АКР
 Round: 5,250in/133,35 mm L=3 40-5,50in/111,5-18,03in
 Grade: 316F316/316L

QUANTITY: 1bund Q-2676 lb/1214kg
 (number of pcs) 1bund Q-3832 lb/1738kg
 Delivery condition
 solution annealed : 1900-2010° F(1040-1100° C)/water
 тепмодоботка: танкалі в воді

ANALYSES, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂
REQUIRED	<0.30	<1.00	1.25-2.00	<0.040	.020-.030	16.00-18.00	10.00-14.00	2.00-3.00	<10	<40	<10	<20	<15	<40	<20	<10
HEAT № 95870	.024	.34	1.36	.037	.026	16.65	10.15	2.02	.075	.22	.05	.10	.10	.08	.01	.036

TECHNICAL REQUIREMENTS:

Macrostructure - GOOD
 GRAIN SIZE : 5 to ASTM E 112
 Nonmetallic inclusions ASTM E 45 (Method A)
 A B C D
 thin thick thin thick thin thick thin thick
 2.5 2.0 2.4 1.6 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-18.67 : 1

MECHANICAL PROPERTIES „ASTM A370-08a“	Yield Strength, KSI(MPA)	Tensile Strength, Rm(kgf /mm ²)	Elongation in 2 inches (50mm) or 4D, min. (ASTM A370)	Reduction of area, Z %	Brinell Hardness HB	Impact strength, KJ / J
REQUIRED	36(248)	75 (515)	45	50	140-225	100
EFFECTIVE	43.1(296)	85.0(584)	59	74.5	170	213

Mechanical properties tested in state of delivery

US - testing yes Results: SEP 1921. 3/Dd - O.K.

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

Manufacturer: JSC DNEPROSPETSSTAL
 Date: 21.02.11 Signed:

V. Kaptanov

 Zaporozhye
 Made in Ukraine



Site