


C160758

PJSC DNIPROSPETSSTAL, VUZHNOYE SHOSE 81, 69008 ZAPOROZHYE, UKRAINE

Sheets: 3 INSPECTION CERTIFICATE EN10204/3,1 Nr.308940 PLANT ORDER № 8014901367		CONTACT №: 20002 TECHN. PROTOCOL № 390-11 SPEC. №1367/P03837 DIN EN 10088-3-05, DIN EN 10222-5-00, ASTM A182/A182M-10, ASME SA-182/SA-182M-10, ASTM A276-10, ASTM A314-08, ASTM A479/A479M-10, ASME SA-479/SA-479M-10, ASTM A484/A484M-10, AMS-QQ-S-763B-06, Cond. A, ANS 5648K-07, AMS 5635F-07, ASTM A193/A193M-10, GR B8, CL1; ASME SA-193/SA-193M-10, GR B8, CL1; ASTM A320/A320M-08, GR B8M, CL1; ASME SA-320/SA-320M-10, GR B8, CL1; NACE MR 0175-03, NACE MR 0103-10	
QUANTITY: 1bund Q-9819 1b/4454 kg (number of pcs)		DSS INTERNATIONAL SA Switzerland CUSTOMER: SA Switzerland PRODUCT DESCRIPTION: Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозийноустойчивой (нержавеющей) стали кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD ЧИСТОТ ВПЛАВЛЕННЯ: Очистково-вакуумний метод + АКР Round 18 750m/476 25 mm L=3.070m/10.066 ft Grade: 316/316L/1.4401/1.4404	
Delivery condition solution annealed: 1976°F(1080°C) water 42minutes ретупові умови: розпалювання в воді		GMS Certified 	
ANALYSIS, % C Si Mn P S Cr Ni Mo Al Cu V W Ti Co Nb N Sn B		ANALYSIS, % C <0.30 Si <1.00 Mn 1.20-2.00 P <0.04 S 0.015-0.030 Cr 16.50-18.00 Ni 10.00-13.00 Mo 2.00-2.50 Al <10 Cu <40 V <10 W <20 Ti <15 Co <40 Nb <20 N <10 Sn B	
CAST № A03536		CAST № A03536	
MECHANICAL PROPERTIES Yield Strength (N/mm ²) R _m % R _{10%} Tensile Strength (N/mm ²) R _m Elongation A ₅ In 2 inches (50mm) or L _Q In 4 inches (100mm) or L _Q Reduction of area, Z % Brinell Hardness HB Impact strength, KJ/J L Q		MECHANICAL PROPERTIES Yield Strength (N/mm ²) R _m % R _{10%} Tensile Strength (N/mm ²) R _m Elongation A ₅ In 2 inches (50mm) or L _Q In 4 inches (100mm) or L _Q Reduction of area, Z % Brinell Hardness HB Impact strength, KJ/J L Q	
TECHNICAL REQUIREMENTS: Macrostructure - GOOD GRAIN SIZE: 5 to ASTM E 45-05 (Method A) Nonmetallic inclusions ASTM E 45-05 (Method A) A B C D this thin thick thin thick thin thick 3.0 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 We acknowledge that the delivered products conform to the requirements of the order		TECHNICAL REQUIREMENTS: Macrostructure - GOOD GRAIN SIZE: 5 to ASTM E 45-05 (Method A) A B C D this thin thick thin thick thin thick 3.0 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 We acknowledge that the delivered products conform to the requirements of the order	
US - testing Results: ASME SA-388/SA-388M-10 (ASTM A 388/A 388M-09)-FBH1/5" EN 10228-4 type 1a; class 3: OK Yes		MECHANICAL PROPERTIES TESTED IN STATE OF DELIVERY EFFECTIVE 290 312 594 62 54 60 73 75 174 226 230 232 230 224 220 62 63 64 REQUIRED 205 240 515-690 45 35 40 50 140-223 100 60	
Radiation free; mercury free. No Weld or Weld repair.		Radiation free; mercury free. No Weld or Weld repair.	
Manufacturer: PJSC DNIPROSPETSSTAL Date: 24.06.16 Manager of quality assurance department - V. Kapateva Signed: Zaporozhye Made in Ukraine.		Manufacturer: PJSC DNIPROSPETSSTAL Date: 24.06.16 Manager of quality assurance department - V. Kapateva Signed: Zaporozhye Made in Ukraine.	