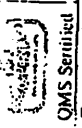


NEXT HT MK

94282



DNEPROSPETSSTAL, YUZHNOYE SHOSSE 81, ZAPOROZHYE 69008, UKRAINE

Contract No.: 07149

TECHN. PROTOCOL № 267-07 SPEC. № 4259/0R 1925-Q1

AD 2000-Merkblatt W0/TRD 100/9723/EGDGR1

DIN EN 10088-3, EN EN 10272, ASTM A182/A182M-05, ASME SA-182/A-182M-04, ASTM A276-04, ASTM A479/A479M-04,

ASME SA-479/A-479M-04, ASTM A484/A484M-05, AMS-OC-S-763A-03, Cond. A, NACE MR 0175, AMS S648K-02,

AMS S653F-02, ASTM A191/A193M-04, CR B8M, CL 1 D, ASME SA-193/A-193M-04 GR B8M, CL 1 D

ASTM A193/A193M-04 GR B8, CL 1 (EXC. PAR. 6.3), ASME SA-193/A-193M-04 GR B8, CL 1 (EXC. PAR. 6.3)

Sheets: 10
Sheet: 6
QUALITY CERTIFICATE EN10204/3.1 Nr. 225553
PLANT ORDER № 8071494259

QUANTITY:
(number of pcs)
Delivery condition
Heat-treated (solution annealing 1020-1100° water)
С термич.обработ. (закалка в воду 1020-1100°)

PRODUCT DESCRIPTION
Kinds of corrosion-resistant (stainless) steel hot rolled, peeled.
Виды из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные.
STEEL MAKING PROCESS: Electric furnace
СПОСОБ ВЫПУСКА: Электроплавочная печь.
Round 158.75 mm/6.250 in L=3.70-5.70m/12.13-18.69 ft
Grade: 316/316L/1.4404

CUSTOMER
"DSS INTERNATIONAL SA"
Switzerland

bound: Q-1438 6/1558 kg
bund: Q-1746 1/1702 kg
bund: Q-1587 1/1720 kg

ANALYSES, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂	Sn	B
CAST № 94282	.020	.69	1.36	.038	.020	17.03	10.06	2.08	.052	.25	.04	.14	.077	.07	.01	.029	.005R	.0013

MECHANICAL PROPERTIES	Yield Strength, R _{0.2} (N/mm ²)	Tensile Strength, R _m (N/mm ²)	Elongation		Impact strength, KV, J	Brinell Hardness HB	Reduction of area, %
			A, %	L, %			
REQUIRED	205	515-690	40	40	100	Max 215	50
EFFECTIVE	277	570	60	60	284 280 275	167	75

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.

TECHNICAL REQUIREMENTS:

Macrostructure - GOOD

GRAIN SIZE: 5 to ASTM E 112

Nonmetallic inclusions ASTM E 45 (Method A)

A B C D

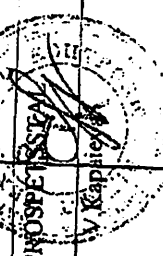
thin thick thin thick thin thick thin thick

3,0 2,0 2,8 2,0 0 0 1,0 1,0

ICC-DIN 50914(EN 114;EN ISO 3651-2)-test: O.K.

"Anti-mixing test-O.K."

"Dimension test and surface defects test is accomplished"



Manufacturer: JSC DNEPROSPETSSTAL
Date: 03.09.09 Signed:
V. Kapatiev
Zaporozhye
Made in Ukraine.