ASA PO 80357 WO 7544 CDH 2FOEL 80 - 75 pcs C224449

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20002
TECHN.PROTOCOL № 390-11 SPEC.№ 9728/PO44311
DIN EN 10088-3-05,DIN EN 10272-08,AD2000-Merkblatt W2,AD 2000-Merkblatt W10,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,AMS 5648K-07,AMS 5653F-07,ASTM A193/A193M-10GR B8M,CL1(EXC PAR 7.2), ASME SA-193/SA-193M-10 GR B8,CL 1(EXC PAR 7.3) ;NACE MR 0175-03,NACE MR 0103-10

Sheets:6 **Sheet: 1**
INSPECTION CERTIFICATE EN10204/3.1 **Nr. 336300**
PLANT ORDER № 8014909728

QMS Certified

CUSTOMER
DSS INTERNATIONAL
SA Switzerland

PRODUCT DESCRIPTION
Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line.Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф.
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ:Электродуговая печь+АКР
Round 3.750m/95.25 mm L=5.210m/17.082ft L=5.630m/18.459ft L=5.650m/18.525ft
Grade: 316/316L/1.4401/1.4404

QUANTITY: (number of pcs)
1bund Q-670 lb/304 kg
1bund Q-1446 lb/656 kg
1bund Q-4317 lb/1958 kg

Delivery condition
solution annealed :1900° F(1040°C)water 30minutes
термообработка:закалка в воду

ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B
REQUIRED	<.030	<1.00	1.20-2.00	<.040	.015-.030	16.50-18.00	10.00--13.00	2.00--2.50	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10		
CAST № A06239	.017	.37	1.50	.040	.027	17.20	10.35	2.06	.07	.32	.05	.06	.005	.11	.01	.032	.013	.0023

DIN EN 10002-1,ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm²) R0.2%	R 1.0%	Tensile Strength, Rm, (N/mm²)	Elongation As% L	Q	In 2 inches (50mm) or 4D,min,% L	Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J L	Q
REQUIRED	205	240	515-690	40	-	40	50	140-217	100	-
EFFECTIVE	289 294	310 313	590 597	61 60	- -	59 59	77 79	174 174	190 190 190 197 197 197	-

Mechanical properties tested in state of delivery

US - testing	yes	Results: ASTM A388/A388M-FBH1/8";EN 10308 type 1a;class 3:OK

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

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
2.0	1.5	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
Ratio of reduction-35.1:1

Manufacturer:PrJSC DNIPROSPETSSTAL
Date: 27.07.18 **Manager of quality assurance department** - V. Kapaieva
Signed:
Zaporozhye
Made in Ukraine.

Jan 28/19

115