




C252864

**PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE**

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 3746/P046707 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; ASME SA-193/SA-193M-10 GR B8,CL 1;ASTM A320/A320M-08 GR B8M,CL 1;ASME SA-320/SA-320M-10 GR B8,CL1;NACE MR 0175-03;NACE MR 0103-10										<b>Sheets:4                      Sheet: 1</b> <b>INSPECTION CERTIFICATE EN10204/3.1 Nr. 348645</b> PLANT ORDER № 8014903746								
	 <b>CUSTOMER</b> <b>DSS INTERNATIONAL</b> <b>SA Switzerland</b> QMS Certified		<b>PRODUCT DESCRIPTION</b> Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line.Прутки из коррозионнстойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. <b>STEEL MAKING PROCESS:</b> EAF+AOD <b>СПОСОБ ВЫПЛАВКИ:</b> Электродуговая печь+АКР Round 5.50 in/139.70 mm L=5.64 m/18.492ft ;L=5.64m/18.492ft; L=4.89m/16.033ft <b>Grade: 316/316L/1.4401/1.4404</b>										<b>QUANTITY:</b> (number of pcs)		<b>1bund Q-3095 lb/1404 kg</b> <b>1bund Q-3091 lb/1402 kg</b> <b>1bund Q-1340 lb/608 kg</b>				
Delivery condition solution annealed :1900°F(1040°C)water 30minutes термообработка:закалка в воду																			
<b>ANALYSIS, %</b>																			
		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B
<b>REQUIRED</b>		<.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		
<b>CAST № A07523</b>		.018	.41	1.34	.038	.026	16.97	10.30	2.09	.075	.32	.05	.06	.005	.11	.01	.028	.010	.0023
DIN EN 10002-1,ASTM A370-09																			
<b>MECHANICAL PROPERTIES</b>		<b>Yield Strength,</b> (N/mm <sup>2</sup> ) R0.2% R 1.0%		<b>Tensile Strength,</b> Rm, (N /mm <sup>2</sup> )		<b>Elongation</b> As,% L Q      In 2 inches (50mm) or 4D,min,% L		<b>Reduction of area,</b> Z % L		<b>Brinell Hardness</b> HB		<b>Impact strength,</b> KV, J L                      Q		<b>TECHNICAL REQUIREMENTS:</b> Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <div style="display: flex; justify-content: space-around; font-size: small;"> <span>A</span><span>B</span><span>C</span><span>D</span> </div> <div style="display: flex; justify-content: space-around; font-size: x-small;"> <span>thin</span><span>thick</span><span>thin</span><span>thick</span><span>thin</span><span>thick</span><span>thin</span><span>thick</span> </div> <div style="display: flex; justify-content: space-around; font-size: x-small;"> <span>2.5</span><span>2.0</span><span>2.0</span><span>2.0</span><span>0.0</span><span>0.0</span><span>1.0</span><span>1.0</span> </div>					
REQUIRED		205	240	515-690	40 -	40	50	140-217	100	-									
EFFECTIVE		279 282	301 304	570 576	60 - 60 -	58 59	72 74	167 167	194 194 194 201 201 201	-									
Mechanical properties tested in state of delivery																			
US - testing		yes	Results: ASTM A388/A388M-FBIH1/8";EN 10308 type 1a;class 3:OK																
Radiation free; mercury free. No Weld or Weld repair.																			
Manufacturer:PrJSC DNIPROSPETSSTAL Date: 25.08.19 <b>Manager of quality assurance department - V. Kapaieva</b> Signed:  Zaporozhye Made in Ukraine.																			

P.O. # 5370

Part # MIXER 6NPS-D3-702201

DESC. CPA MIXER PROTOTYPE  
6 NPS RPM 201