



**CERTIFICATE FOR SEAMLESS STEEL PIPES
MILL TEST CERTIFICATE NO. QS1147603**

JSC NIZHNEDNEPROVSKY TUBE ROLLING PLANT 25 STOLETOV STR.
49881 DNEPROPETROVSK, UKRAINE

Customer												Total Weights	24751	Contract No.		X220017843							
License No.												Date of Delivery	05/03/2017	Certificate No.		QS1147603							
No.	Testing No.	Lot No.	O.D. (mm)	W.T. (mm)	Standard	Type	Grade	Heat No.	Pcs.	Lenght	Weight (t)	Chemical Composition (%)											
												C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Ti	Nb
1	JSC364	852-76	48.3	5.08	ASTM A53/A106/API 5L	SCH 80	B	14933792	300	6.1mt	9900	0.18	0.25	0.48	0.013	0.018	0.039	0.025	0.002	0.001	0.001	0.001	0.001
2	JSC157	964-15	48.3	5.08	ASTM A53/A106/API 5L	SCH 80	B	14564613	450	6.1mt	14850	0.19	0.23	0.46	0.015	0.021	0.042	0.028	0.001	0.002	0.001	0.001	0.001
No.	T.S.	Y.S.	E.L. %	Flattering Test	Bending Test	Flaring Test	Impact Energy Absorbed	Hardness	NDP		Color On the end	Hydrostatic Test	Drift Test	V&D Exam.	Decarbonized Depth		Grain Size (gr.)	Microstructure (F) (P)					
	N/mm ²								E.T.	U.T.					Inside	Outside							
1	465	285	32	GOOD	GOOD	--	--	--	GOOD	--	--	GOOD	--	--	--	--	--	--	--				
2	467	281	31	GOOD	GOOD	--	--	--	GOOD	--	--	GOOD	--	--	--	--	--	--	--				

- The hot-rolled pipes herein described are delivered in the final rolled condition and the cold-drawn pipes above in the heat treatment condition detailed in the relevant standard. All the pipes are tested in accordance with GB/T 5777-1996 for ultrasonic inspection or GB/T 7735-2004 for eddy - current testing when DNT is requested.
- We certify that the pipes herein described have been manufactured, tested in accordance with above standard and satisfied with the requirements. The copy of this form is invalid.
- We certify that the above material has been manufactured, sampled, tested and inspected in accordance with API5L/ASTM A106/ ASME SA106/ ASTM A53/ASME SA53.



(Reviewed) Vyacheslav J.