
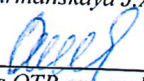




VSMPO TITAN UKRAINE Ltd.
(Uniti Titanium)

 Manufacturer logo	Qualification Test report (QTR) NORSOK M-650		<i>QTR. No.: U-01</i>		
			<i>Rev. No.: 1</i>		
Manufacturer Name/address/ Web-site:	VSMPO TITAN UKRAINE Ltd. Ukraine, Dnepropetrovsk Region, Solyonoye, 26, Gagarina Str., 52400 <i>www.tw-vsmppoavisma.com</i>				
Reference standard	NORSOK M-650 Ed. 4				
Material identification and MDS No.:	<i>Titanium alloy Grade 2 (UNS R50400) according to ASTM B338/ASME SB338, ASTM B861/ASME SB861, NORSOK M-630 MDS T01 Rev.5</i>				
Manufacturing summary doc. No.	MS-GrCP-02 and MS-GrCP-03	<i>Rev. No.: 0</i> <i>Rev. No.: 0</i>			
Products and production process(es):	Seamless cold-worked tube and pipe Diameter from 6.0 mm up to 133.0 mm, Wall thickness from 0.89 mm up to 10.7 mm				
Mandatory conditions and sub-contractors:	Heat treated in electrical pusher-type furnace SRO 12.185.1,2/11-II No.3 with maximum heat treatment load of 360 kg.				
Other information:	<i>Heat treatment verification test performed 25.7 and 26.7.2017</i>				
Qualification expires:	21.08.2022				
Tested and Qualified Thickness and Weight					
Products and production processes:	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Seamless pipes/tubes	01317N17	0.89	1.11	N/A	N/A
Seamless pipes/tubes	01318N17	8.56	10.7	N/A	N/A
Qualification/acceptance confirmation signatures					
Manufacturer:	Prepared by / Date: <i>Furmanskaya J.A. 21.08.2017</i> 	Checked by / Date: <i>Shashkin T.A. 21.08.2017</i> 			
<p>The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.</p> <p>This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.</p>					
Qualified/Accepted by (company name /address): 			Signature /Date: <i>27.10.2017</i> 