
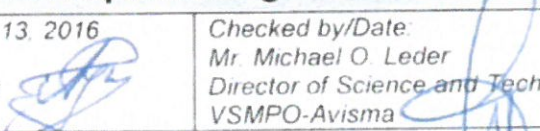


	<b>QTR</b> <b>Qualification Test Record</b> <b>NORSOK M-650</b>		QTR No: U-02
			Rev. No: 3
Manufacturer name/address/ Web page:	 VSMPO-AVISMA Parkovaya St. 1 Verkhnyaya Salda Sverdlovsk region, Russia, 624760 <a href="http://www.vsm-po.ru">www.vsm-po.ru</a>   Uniti Titanium One Thorn Run Center, Suite # 325 1187 Thorn Run Road Extension Moon Township, PA 15108 <a href="http://www.uniti-titanium.com">www.uniti-titanium.com</a>		
Reference standard	ASTM B 348 / ASME SB 348 NORSOK M-650 Ed. 4		
Material designation and MDS No.:	ASTM B 348 / ASME SB 348 - Titanium Grade 5 M630 - MDS T01		
Manufacturing summary doc. No.:	MS-Gr5-01 MS-Gr5-02	Rev. No: 1 1	
Products and manufacturing process(es)	Titanium Bar Product 7 - 115 mm by hot rolling (MS-Gr5-01) 116 and over by forging (MS-Gr5-02)		
Mandatory conditions and sub-contractors:	All manufacturing processes in house at VSMPO-Avisma. Titanium sponge is supplied from Avisma. Furnaces # 7, # 8 and # 20163 were reviewed as part of the Norsok audit, however all other furnaces are also temperature uniformity surveyed as required and available for production.		
Other information	VSMPO-Avisma, Salda, has been reviewed for renewal of NORSOK M-650 Ed. 4 qualification. On the basis of no changes to manufacturing summaries, review of facilities and the new reference list combined with statistical test results, we accept the manufacturer to be regarded as requalified for the next 5 years.		
Qualification expires:	November 2021		



### Tested and Qualified Thickness and Weight

Products and manufacturing process(es)	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Gr 5 Bars (MS-Gr5-01)	T302110	115 mm	7 - 115 mm	N/A	7000
Gr 5 Bars (MS-Gr5-02)	T302118	300 mm	116-300 mm	N/A	7000

### Qualification/Acceptance signatures

<b>Manufacturer:</b>	Prepared by/Date: Oct. 13, 2016 Artem Rukomoykin Senior Quality Specialist VSMPO-Avisma	Checked by/Date: Mr. Michael O. Leder Director of Science and Technology VSMPO-Avisma
		

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. 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.

<b>Qualified/Accepted by</b> (company name/address):  Materials Consult AS Petter Fjellheim N-7058 Jakobsli, Trondheim +47 97189397	Signature/Date: 14.12.2016 
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06.02.2017  
