



SETSCO SERVICES PTE LTD

Serial No. : MP/TC1147/08-Rev.01  
Date Issued : 02 June 2009

# TEST CERTIFICATE

This certificate is a summary of the test and test reports as stated below:

**HALCOR S.A**  
57<sup>th</sup> km Nat Road  
Athens-Lamia  
GR 320 11 Inofyta Viotia  
Greece

Attn: Mr. M. Danassis

**FOR**  
**Brand : TALOS®**  
**Test Standard : BS EN 1057:2006**  
**Product Type : Copper Tube**  
**Date Submitted : 08 Aug 2008**

Product	Instructions	Tests															
		Dimensions and Tolerances	Composition Analysis	Tensile Test	Vicker's Hardness Test	Carbon Content Test	Carbon Film Test	Bending Test	Drift Expanding Test	Flanging Test	Hydrostatic Test	Metal Extraction	Elastomeric Seals	Toxicity			
Copper Tube Brand: TALOS® Model: R250 (Half-Hard) Size: 15.0x0.70	If done, Pass/Fail	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-1/YPS	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-4/WKW	NA	Pass See MM-11352/1-1/YPS	NA	-	Pass See MM-11352/1-11352/DJ/2	NA	NA			
	If not done, reference	-	Pass See MM-11352/1-3/YPS	-	See MM-11352/1-5/YPS	-	NA	-	NA	-	-	NA	NA				
Copper Tube Brand: TALOS® Model: R250 (Half-Hard) Size: 22.0x0.90	If done, Pass/Fail	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-1/YPS	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-4/WKW	NA	Pass See MM-11352/1-1/YPS	NA	Pass See MM-11352/1-2/YPS	Pass See MM-11352/DJ/2	NA	NA			
	If not done, reference	-	Pass See MM-11352/1-3/YPS	-	See MM-11352/1-5/YPS	-	NA	-	NA	-	-	NA	NA				
	If not done, no reference	-	-	-	-	-	-	NA	-	NA	-	-	NA				
	If not done, reference	-	-	-	-	-	-	NA	-	NA	-	-	NA				
	If not done, no reference	-	-	-	-	-	-	NA	-	NA	-	-	NA				

Terms and Conditions  
This certificate will cease to be valid upon change in material or manufacturing process(es).



SEISCO SERVICES PTE LTD

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Product	Instructions	Tests													
		Dimensions and Tolerances	Composition Analysis	Tensile Test	Vicker's Hardness Test	Carbon Content Test	Carbon Film Test	Bending Test	Drift Expanding Test	Flanging Test	Hydrostatic Test	Metal Extraction	Elastomeric Seals	Toxicity	
Copper Tube Brand: TALOS® Model: R250 (Half-Hard) Size: 28.0x0.90	If not done, reference	-	Pass See MM-11352/1-3/YPS	-	-	See MM-11352/1-5/YPS	Pass See MM-11352/1-4/WKW	NA	-	NA	-	Pass See MM-11352/1-11352/DJ/2	NA	NA	
	If not done, no reference	-	-	-	-	-	-	NA	-	NA	-	-	NA	NA	
	If done, Pass/Fail	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-1/YPS	Pass See MM-11352/1-1/YPS	-	NA	Pass See MM-11352/1-1/YPS	NA	Pass See MM-11352/1-1/YPS	Pass See MM-11352/1-2/YPS	-	NA	NA	
Copper Tube Brand: TALOS® Model: R250 (Half-Hard) Size: 35.0x1.20	If not done, reference	-	Pass See MM-11352/1-3/YPS	-	-	See MM-11352/1-5/YPS	Pass See MM-11352/1-4/WKW	NA	-	NA	-	Pass See MM-11352/1-11352/DJ/2	NA	NA	
	If not done, no reference	-	-	-	-	-	-	NA	-	NA	-	-	NA	NA	
	If done, Pass/Fail	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-1/YPS	Pass See MM-11352/1-1/YPS	-	NA	Pass See MM-11352/1-1/YPS	NA	Pass See MM-11352/1-2/YPS	Pass See MM-11352/1-11352/DJ/2	-	NA	NA	
Copper Tube Brand: TALOS® Model: R250 (Half-Hard) Size: 42.0x1.20	If not done, reference	-	Pass See MM-11352/1-3/YPS	-	-	See MM-11352/1-5/YPS	Pass See MM-11352/1-4/WKW	NA	-	NA	-	Pass See MM-11352/1-11352/DJ/2	NA	NA	
	If not done, no reference	-	-	-	-	-	-	NA	-	NA	-	-	NA	NA	
	If done, Pass/Fail	Pass See MM-11352/1-1/YPS	-	Pass See MM-11352/1-1/YPS	Pass See MM-11352/1-1/YPS	-	NA	Pass See MM-11352/1-1/YPS	NA	Pass See MM-11352/1-2/YPS	Pass See MM-11352/1-11352/DJ/2	-	NA	NA	

Note:

1. The above test sample complies with requirements of the stated standard(s).
2. This test certificate supersedes Serial No. MP/TC1147/08 dated 02 October 2008.

**YUSOOF AYNUDDIN**  
Divisional Director  
Mechanical Technology Division