



TC-7322

**Unitech Laboratories Services**

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**TEST REPORT****ULR -TC732225000002694F**

<b>Name of the Customer</b>	<b>: ADVANCE TECHNOFORGE LIMITED</b>	<b>Lab No.</b>	<b>: US/758/0125</b>
	Plot No. 01-06, Survey No. 121, Village: Padvala, Opp. Waterflow Piping System, Shapar-Veraval Ind. Area, Dist: Rajkot (Guj.) INDIA	<b>Date of Reporting</b>	<b>: 07/01/2025</b>
<b>Group</b>	<b>: Chemical Testing of Metals and Alloys</b>		
<b>Sub Group</b>	<b>: Carbon steel and alloy steel</b>		
<b>#Customer Reference No.</b>	<b>: Challan No. : AT25-236 Letter Date-07/01/2025</b>		
<b>Condition of Sample</b>	<b>: Cut Piece</b>		
<b>Material Specification</b>	<b>: ISO 683-17 Gr. 100CrMnSi6-4</b>		
<b>#Identification of Sample</b>	<b>: Size : Ø 90.00 MM / Batch No. : 561L / Heat No. : 6729M</b>		
<b>#Type of Test</b>	<b>: Chemical Analysis</b>		
<b>Instrument Utilized</b>	<b>: Optical Emission Spectrometer-Bruker- German make-Q4 TASMAN</b>		
<b>Date of Testing</b>	<b>: 07/01/2025</b>		
<b>Test Method</b>	<b>: ASTM E-415-21, JIS G-1253-2002</b>		
<b>ELEMENTS</b>	<b>OBSERVATION</b>	<b>REQUIRED VALUE</b>	
% CARBON	<b>: 1.000</b>	<b>0.93-1.05</b>	
% SILICON	<b>: 0.530</b>	<b>0.45-0.75</b>	
% MANGANESE	<b>: 1.061</b>	<b>1.00-1.20</b>	
% PHOSPHORUS	<b>: 0.006</b>	<b>0.025 max</b>	
% SULPHUR	<b>: 0.003</b>	<b>0.015 max</b>	
% CHROMIUM	<b>: 1.526</b>	<b>1.40-1.65</b>	
% MOYBDENUM	<b>: 0.018</b>	<b>0.10 max</b>	
% NICKEL	<b>: 0.059</b>		
% COPPER	<b>: 0.075</b>	<b>0.30 max</b>	
% TITANIUM	<b>: 0.003</b>		
% ALUMINIUM	<b>: 0.017</b>	<b>0.05 max</b>	
% ARSENIC	<b>: 0.004</b>		
% TIN	<b>: 0.004</b>		
% LEAD	<b>: &lt;0.001</b>		
% ANTIMONY	<b>: &lt;0.002</b>		

**Conformity statement** : The above result is conform to ISO 683-17 Gr. 100CrMnSi6-4

End of Report

**Tested By :**  
Jaimini Vadodariya  
(Technician)

**Authorized signatory:**  
Deepak Solanki  
(Quality Manager)

- Note : (1) Sample(s) not drawn by ULS. The results relate only to the sample(s) tested.  
(2) This certificate shall not be reproduced, except in full, without the written approval of ULS.  
(3) If balance material is available after testing, it will be retained for 15 days maximum. If customer wants to retain it for one month from this date, he has to inform in writing or he can collect the same.  
(4) While "ULS" has made their best endeavors to provide accurate and reliable information.  
(5) The conformity statement is given bases of decision rule documented in Quality Manual Annexure-3. # Information Given by Customer

