



Sialkot Material Testing Laboratory

UNIT ESTABLISHED BY TRADE DEVELOPMENT AUTHORITY OF PAKISTAN MINISTRY OF COMMERCE GOVT. OF PAKISTAN

NEAR SUBLIME CHOWK, MARALA ROAD, SIALKOT-51310-PAKISTAN

TEL: 0092-52-3562818 simtelsklab@gmail.com FAX: 0092-52-3554217



SIMTEL/PD/22/1120
May 24, 2022

ANALYTICAL/ TEST REPORT

In respect of : *M/s. Vakman Industries Sialkot*
Sample received from : *Representative*
Name of Sample : *Implantation Nail*
Type/Grade of Raw Material : *Titanium Alloy / Ti-6Al-4V*
Specification against which tested : **Analytical Results Got on BAIRD DV 6E Direct Emission Spectrometer**

Results are in percentage:

<i>Ti</i>	89.947	<i>Fe</i>	0.183
<i>Al</i>	5.692	<i>V</i>	3.785

This analytical/test report is based solely on the particular sample(s) supplied by the party and should not be reproduced in part.

Sampling has not been performed by the SIMTEL and the SIMTEL does not accept responsibility that the sample(s) supplied is/are truly representative sample(s) of any batch or stock or entire production.


While the SIMTEL agrees to take every reasonable precaution to ensure validity of its test results, it assumes no liability for the accuracy thereof beyond the amount of the fee charged for the analysis/test.

The party shall assume full responsibility for the ethical use of the results in the analysis/test reports and the laboratory shall be held free from any and all claims which may result from the use of such data by the party or others.

After completion of the report the sample will be preserved for three month until negotiated otherwise.



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Engr. Amjad Hussain
Project Director



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SIMTEL/PD/22/1121
May 24, 2022

ANALYTICAL/ TEST REPORT

In respect of : *M/s. Vakman Industries Sialkot*
Sample received from : *Representative*
Name of Sample : *Implantation Screw*
Type/Grade of Raw Material : *Titanium Alloy / Ti-6Al-4V*
Specification against which tested : **Analytical Results Got on BAIRD DV 6E Direct Emission Spectrometer**

Results are in percentage:

<i>Ti</i>	89.538	<i>Fe</i>	0.129
<i>Al</i>	5.282	<i>V</i>	4.308

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SIMTEL/PD/22/1122
May 24, 2022

ANALYTICAL/ TEST REPORT

In respect of : *M/s. Vakman Industries Sialkot*
 Sample received from : *Representative*
 Name of Sample : *Implantation Plate*
 Type/Grade of Raw Material : *Titanium Alloy / Ti-6Al-4V*
 Specification against which tested : **Analytical Results Got on BAIRD DV 6E Direct Emission Spectrometer**

Results are in percentage:

Ti.....	89.742	Fe	0.154
Al	5.337	V	4.169

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SIMTEL/PD/22/1117
May 24, 2022

ANALYTICAL/ TEST REPORT

In respect of : *M/s. Vakman Industries Sialkot*
Sample received from : *Representative*
Name of Sample : *Implantation Nail*
Type/Grade of Raw Material : *SUS 316L*
Specification against which tested : **Analytical Results Got on BAIRD DV 6E Direct Emission Spectrometer**

Results are in percentage:

Cr	18.571	Mn	1.613
C	0.021	S	0.007
P	0.014	Ni	11.462
Si	0.271		

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SIMTEL/PD/22/1118
May 24, 2022

ANALYTICAL/ TEST REPORT

In respect of : *M/s. Vakman Industries Sialkot*
Sample received from : *Representative*
Name of Sample : *Implantation Screw*
Type/Grade of Raw Material : *SUS 316L*
Specification against which tested : **Analytical Results Got on BAIRD DV 6E Direct Emission Spectrometer**

Results are in percentage:

Cr	18.634		
C	0.023	Mn	1.721
P	0.016	S	0.009
Si	0.271	Ni	11.524

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SIMTEL/PD/22/1119

May 24, 2022

ANALYTICAL/ TEST REPORT

In respect of : *M/s. Vakman Industries Sialkot*
Sample received from : *Representative*
Name of Sample : *Implantation Plate*
Type/Grade of Raw Material : *SUS 316L*
Specification against which tested : **Analytical Results Got on BAIRD DV 6E Direct Emission Spectrometer**

Results are in percentage:

Cr	18.583	Mn	1.632
C	0.023	S	0.008
P	0.014	Ni	11.438
Si	0.273		

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