

## TEST REPORT

No.: SHIN2512024423ML01\_EN

Issue Date: 2026-01-07

Page: 1 of 2

CUSTOMER NAME: HANSHAN ELITE INSTRUMENTS CO., LTD.  
ADDRESS: NO.27 XUDONG ROAD, SMALL AND MICRO ENTERPRISE  
INDUSTRIAL PARK, HANSHAN ECONOMIC DEVELOPMENT ZONE,  
MA'AN SHAN CITY, AN HUI PROVINCE, P.R. CHINA 238101

Sample Name : Inconel 825 Bourdon Tube

Material and Mark : Inconel 825

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

\*\*\*\*\*

Test Required : Chemical Composition Analysis, Vickers Hardness Test  
Date of Receipt : 2025-12-31  
Testing Period : 2025-12-31 ~ 2026-01-07  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Kant Xu

Authorized signatory

Scan to see the report



SHIN2512024423ML01  
Verification:  
check.sgsonline.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319  
中国·上海·浦东康桥东路1159弄69号 邮编: 201319

t (86-21) 61196300 www.sgs.com.cn  
t (86-21) 61196300 sgs.china@sgs.com

# TEST REPORT

No.: SHIN2512024423ML01\_EN

Issue Date: 2026-01-07

Page: 2 of 2

## 1. Chemical Composition Analysis

Element	Test Method	Result 001 (%)
Cr	ASTM E2594-20	22.16
Cu	ASTM E2594-20	1.73
Fe	ASTM E2594-20	31.99
Mo	ASTM E2594-20	3.24
Ti	ASTM E2594-20	0.63
Ni	Determined by arithmetical difference	38.88

## 2. Vickers Hardness Test

Test Method: ASTM E92-23

Hardness Symbol	Sample	Test position	Result		
HV 1	001	Core	186	186	184



The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

\*\*\*\*\*End of report\*\*\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319  
 中国·上海·浦东康桥东路1159弄69号 邮编: 201319

t (86-21) 61196300 www.sgs.com.cn  
 t (86-21) 61196300 sgs.china@sgs.com