

校准证书  
CALIBRATION CERTIFICATE

证书编号:

Certificate No.



J202509154852-0001-G1

第 1 页 共 4 页

Page

of

委托方

Client

Slovenska legalna metrologia, n. o.

联络信息

Contact Inf.

Geologická 1, 821 06 Bratislava, Slovakia

仪器名称

Description

IK弹簧冲击锤

型号/规格

Model/Type

IK02

制造厂

Manufacturer

出厂编号

Serial No.

SOLS20250499-A1

管理号

Asset No.

接收日期

Receipt Date

2025年09月26日

Y M D

校准日期

Cal. Date

2025年10月11日

Y M D

发布日期

Issued Date

2025年10月11日

Y M D

批准

Approved by

张磊

张磊

审核

Inspected by

吴遥

吴遥

校准

Calibrated by

尹君

尹君

证书专用章

(Stamp)

总部地址(Headquarters Add.): 广东省广州市番禺区创运路8号

No.8.Chuangyun Rd,Panyu District,Guangzhou,Guangdong,China

实验室地址(Add.of the Lab): 江苏省无锡市新吴区宁韵路8号

No.8,Ningyun Road,,Xinwu District,Wuxi,Jiangsu,China

联系电话(Tel.):400-602-0999

邮政编码(Postcode):511450

网站(Website):http:// www.grgtest.com

电子邮件(E-mail):grgtest@grgtest.com



扫一扫验真伪

校验码: 628464

## 校准说明 DIRECTIONS OF CALIBRATION

证书编号: J202509154852-0001-G1

第 2 页 共 4 页

Certificate No.

Page of

- 1.本实验室的质量管理体系符合ISO/IEC 17025:2017标准的要求,校准结果均可溯源至国际单位制(SI)单位。  
(The quality system is in accordance with ISO/IEC 17025:2017,the calibration results are traceable to the International System of Units (SI).)
  - 2.本结果仅对本次校准样品有效。未经实验室批准,不得部分复制。如有疑问请在15个工作日内反馈。  
(The result is only valid for the calibrated sample.The certificate shall not be reproduced except in full,without the written approval of our laboratory .please feedback to us within 15 days if you have any question.)
  - 3.本证书编号具有唯一性,后缀若带有“-Gx”的证书为替换证书,自发出后原证书即刻作废,修改后的证书以客户端内容为准。(Each certificate has a unique number. The suffix of "-Gx" will be added to the number as a replacement of the old version. The original certificate will be officially invalid once the new certificate number is issued.The modified certificate shall be based on the client content.)
  - 4.证书中最大允许误差、判定结果仅供参考,其中“P”代表“合格”,“F”代表“不合格”,“N/A”代表“不适用”。使用人员应结合实际测量需求,评估测量不确定度对符合性评定的影响。(MPE & judgement result in the datasheet is only for reference , "P" is "Pass" , "F" is "Fail" and "N/A" is "Not Applicable".Whereas users should evaluate the effects of MU of calibration results on conformance assessment by actual measurement.)
  - 5.校准地点、环境条件(Place and environmental conditions of the calibration):  
地点: 无锡计量压力天平室  
Place Wuxi Metrology Pressure Balance Room  
温度: 21.4℃ 相对湿度: 61%  
Temperature Relative Humidity
  - 6.建议复校时间间隔: 1年,送校单位也可按实际使用情况自主决定。  
Suggested calibration interval is 1 year or it can be altered depending on the actual usage of the user.
  - 7.本次校准的技术依据及CNAS认可范围,超出范围的内容未被认可。详细认可范围请查看CNAS网站证书附件。(Reference document and accredited scope by CNAS for calibration, beyond which isn't accredited. Please see the attachment of certificate on CNAS website for details.)
- JJF 1475-2014 弹簧冲击器校准规范(C.S. for Spring Hammers) 能量: (0.2~2) J 长度: (9~11)mm

校准说明  
DIRECTIONS OF CALIBRATION

证书编号: J202509154852-0001-G1

第 3 页 共 4 页

Certificate No.

Page of

8. 本次校准使用的主要测量标准(Main Standards of Measurement Used in the Calibration.):

| 名称          | 编号         | 证书号/有效期                               | 溯源机构                      | 技术特征                                  |
|-------------|------------|---------------------------------------|---------------------------|---------------------------------------|
| Description | Serial No. | Certificate No./<br>Due Date          | Traceability<br>Institute | Technique Character                   |
| 影像测量仪       | 106488     | J202412275730A-<br>0005<br>2025-12-29 | 广电计量检测集团<br>股份有限公司        | MPE: $\pm (3+L/200) \mu\text{m}$      |
| 数显卡尺        | 0108181943 | J202505151478-<br>0027<br>2026-06-11  | 广电计量检测<br>(无锡) 有限公<br>司   | MPE: $\pm 0.03\text{mm}$              |
| 弹簧冲击器校准装置   | CD011903   | J202507081236-<br>0035等<br>2026-08-04 | 广电计量检测集团<br>股份有限公司        | $U = (0.005 \sim 0.01)\text{J} (k=2)$ |

9. 计量溯源性声明(Measurement traceability declaration.):

影像测量仪(106488)→玻璃线纹尺/Glass thread ruler(20130816 (WX-01))→激光干涉比长仪(广东省计量科学研究院SCM);  
数显卡尺(0108181943)→卡尺专用量块(12块)(68143)→卡尺量块/Caliper measuring block(88630)→一等量块标准装置/1 Grade Gauge Block Standard Device(中国测试技术研究院/NIMTT);  
弹簧冲击器校准装置(CD011903)→弹簧冲击锤能量发生器(广电计量检测集团股份有限公司);弹簧冲击器校准装置(CD011903)→F1等级砝码(广电计量检测集团股份有限公司);

## 校准结果

## RESULTS OF CALIBRATION

证书编号: J202509154852-0001-G1

第 4 页 共 4 页

Certificate No.

Page of

1、外观及各部分相互作用: 正常

Appearance and the function of each part of interaction:

2、锤头球面半径校准: 符合要求

技术要求:  $(10 \pm 0.2)\text{mm}$  结论: P

Calibration of Radius of sphere

Technical requirements

Conclusion

3、释放撞击元件所需的力: 符合要求

技术要求:  $\leq 10\text{N}$  结论: P

Calibration of The force required to release the impact element

Technical requirements

Conclusion

4、锤弹簧未压缩状态时, 锤头顶点缩进释放锤头端面的距离:

Calibration of Distance 符合要求

技术要求:  $> 1\text{mm}$  结论: P

5、冲击能量示值误差校准:

Technical requirements

Conclusion

Calibration of Impact energy:

| 标称值(J)        | 实测平均值(J)      | 示值误差(J) | 允许误差(J)    | 结论 (P/F)   |
|---------------|---------------|---------|------------|------------|
| Nominal Value | Average Value | Error   | MPE        | Conclusion |
| 0.2           | 0.202         | -0.002  | $\pm 0.02$ | P          |

备注:

Notes:

结论(Conclusion): 所校项目符合技术要求

1.本报告中的扩展不确定度是由标准不确定度乘以包含概率约为95%时的包含因子 $k$ 。

The expanded uncertainty is given in the report by the standard uncertainty multiplied by the probability of about 95% when the factor  $k$ .

1.1 冲击能量:  $U_{\text{rel}}=3.0\%$  ( $k=2$ )

2.依据(Reference document)

JJF 1059.1-2012 测量不确定度评定与表示

(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

(以下空白)

(The below is blank)