

校准证书
CALIBRATION CERTIFICATE

证书编号:

Certificate No.



J202608044104-0001

第 1 页 共 5 页

Page

of

委托方

Client

"GLOBAL INVESTMENT SYSTEMS"LLC

联络信息

Contact Inf.

TASHKENT CITY SHAYKHANTAKHUR DISTRICT Shodlik
MFY, Ibn Sino 2

仪器名称

Description

Benchtop Spectrophotometer (Reflectance and Transmittance)

制造厂

Manufacturer

LISUN GROUP

型号/规格

Model/Type

DSCD-950P

接收日期

Receipt Date

2026年08月11日

Y M D

出厂编号

Serial No.

C8312645032

校准日期

Cal. Date

2026年08月12日

Y M D

管理号

Asset No.

发布日期

Issued Date

2026年08月12日

Y M D

批准

Approved by

庄奕

庄奕

审核

Inspected by

李魁

李魁

校准

Calibrated by

陈颖

陈颖

证书专用章

(Stamp)

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

No.8, Chuangyun Road, Shiqi Town, Panyu District, Guangzhou, Guangdong, China

实验室地址(Add.of the Lab): 广东省广州市番禺区石碁镇创运路8号

No.8, Chuangyun Road, Shiqi Town, Panyu District, Guangzhou, Guangdong, 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: 741017

校准说明 DIRECTIONS OF CALIBRATION

证书编号: J202608044104-0001

第 2 页 共 5 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.该仪器的溯源日期为本证书的“校准日期”。(The traceability date of this instrument is the calibration date on this certificate.)
 - 6.校准地点、环境条件(Place and environmental conditions of the calibration):
地点: 广州计量光色电计量室
Place Guangzhou Meterology Photometry&Colorimetry Room
温度: 22.1℃ 相对湿度: 52%
Temperature Relative Humidity
 - 7.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.
 - 8.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.)
- JJG 595-2002 测色色差计检定规程(V.R. of Colorimeters and Color Difference Meters) 色度: 三刺激值Y:(0~100) 色度: x, y全色域

校准说明
DIRECTIONS OF CALIBRATION

证书编号: J202608044104-0001

第 3 页 共 5 页

Certificate No.

Page of

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

名称 Description	编号 Serial No.	证书号/有效期 Certificate No./ Due Date	溯源机构 Traceability Institute	技术特征 Technique Character
陶瓷标准色板 (14块) Color standard plates (14 pieces)	1~14	GXfs2026-01757 2027-05-05	中国计量科学研 究院/NIM	一级

校准结果 RESULTS OF CALIBRATION

证书编号: J202608044104-0001

第 4 页 共 5 页

Certificate No.

Page of

1 外观以及一般性检查: 正常
In view of External Pass
& Generality check:

2 标准照明体: D65/10°
Standard Illuminant:

3 照明与观测条件: d/8 SCI
Illumination & Observation Condition:

4 明度指数和色度指数示值误差:
Accuracy:

色板 Color Plate	标准值 Reference			示值 Indication			示值误差 Error		
	L*	a*	b*	L*	a*	b*	ΔL^*	Δa^*	Δb^*
白	95.97	-0.50	2.15	96.05	-0.44	2.26	0.08	0.06	0.11
黄	82.83	2.43	74.99	82.84	2.59	74.41	0.01	0.16	0.58
红	45.03	38.95	19.12	44.91	38.13	18.67	0.12	0.82	0.45
绿	54.99	-27.51	14.22	55.11	-27.35	14.19	0.12	0.16	0.03
蓝	56.08	-15.24	-26.64	56.04	-14.95	-26.44	0.04	0.29	0.20

项目 Subject	校准结果 Calibration Result	技术要求 Specification	结论(P/F) Conclusion
---------------	----------------------------	-----------------------	-----------------------

5 Y、x、y换算值:

Equivalent:

5.1 仪器稳定性: Stability:	0.02	≤ 0.2	P
--------------------------	------	------------	---

5.2 重复性: Repeatability:	Y:	0.02	≤ 0.3	P
	x:	0.0000	≤ 0.001	P
	y:	0.0000	≤ 0.001	P
	ΔE :	0.00	≤ 0.2	P

5.3 复现性: Reproducibility:	Y:	0.03	≤ 1.0	P
	x:	0.0000	≤ 0.002	P
	y:	0.0000	≤ 0.002	P
	ΔE :	0.00	≤ 0.5	P

5.4 示值误差: 技术要求: $\Delta Y \leq 1.5$
Error: Specification: $\Delta x, \Delta y \leq 0.020$

色板 Color Plate	标准值 Reference			示值 Indication			示值误差 Error			结论 Conclusion (P/F)
	Y	x	y	Y	x	y	ΔY	Δx	Δy	
白	89.94	0.3169	0.3352	90.13	0.3171	0.3354	0.19	0.0002	0.0002	P
黄	61.84	0.4480	0.4645	61.86	0.4475	0.4635	0.02	0.0005	0.0010	P
红	14.56	0.4747	0.3308	14.48	0.4715	0.3311	0.08	0.0032	0.0003	P
绿	22.92	0.2910	0.4072	23.04	0.2914	0.4068	0.12	0.0004	0.0004	P
蓝	23.99	0.2182	0.2676	23.95	0.2191	0.2679	0.04	0.0009	0.0003	P

校准结果 RESULTS OF CALIBRATION

证书编号: J202608044104-0001

第 5 页 共 5 页

Certificate No.

Page of

备注:

Notes:

结论(Conclusion): 所校项目符合一级要求(Calibration Results Match the Specification of Grade One)

1.本次测量结果扩展不确定度(Expanded uncertainty of the measurement results)

1.1 三刺激值: Y $U = 1.0$ ($k=2$)

1.2 色坐标: x $U = 0.0065$ ($k=2$)

1.3 色坐标: y $U = 0.0065$ ($k=2$)

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)