



校准证书

CALIBRATION CERTIFICATE

证书编号 HYQ201994179
Certificate No.

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委托方 优利德科技(中国)有限公司
Client

委托方地址 东莞松山湖高新技术产业开发区工业北一路6号
Add. of Client

计量器具名称 糖量计
Description

型号规格 A75
Model/Type

制造厂
Manufacturer

出厂编号 自编1#
Serial No.

设备编号
Equipment No.

接收日期 2019年 08 月 19 日
Date of Receipt Y M D

结果 见校准结果
Results Shown in the results of calibration

校准日期 2019年 08 月 23 日
Date of Calibration Y M D

批准人 尹强 尹强
Approved Signatory

核 验 吴武杰 吴武杰
Reviewed by

校 准 陈明祎 陈明祎
Calibrated by



证书专用章
Stamp



扫一扫查真伪



说 明

证书编号 HYQ201994179
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DIRECTIONS

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1. 本中心是国家质量监督检验检疫总局在华南地区设立的国家法定计量检定机构, 本中心的质量管理体系符合 ISO/IEC 17025:2017 标准的要求。

This laboratory is the National Legal Metrological Verification Institution in southern China set up by the General Administration of Quality Supervision. The quality system is in accordance with ISO/IEC 17025:2017.

2. 本中心所出具的数据均可溯源至国家计量基准和国际单位制(SI)。

All data issued by this laboratory are traceable to national primary standards and International System of Units (SI).

3. 本次校准的技术依据:

Reference documents for the calibration:

JJG 820-1993 手持糖量(含量)计及手持折射仪检定规程 V. R. of Hand Saccharimeter
(Content-meter) and Hand Refractometer

4. 本次校准所使用的主要计量标准器具:

Major standards of measurement used in the calibration:

设备名称 Name of Equipment	编号 Serial No.	证书号/有效期/溯源单位 Certificate No./Due Date /Traceability to	计量特性 Metrological Characteristic
蔗糖纯度标准物质 Sucrose in Water	17001	GBW10067 /2019-11-29 /国家计量院	一级 Grade 1
阿贝折射仪 Abbe Refractometer	820118101085	HGX201894134 /2019-11-25 /本中心	MPE: $\pm 3 \times 10^{-4}$
V棱镜折射仪 V prisma refraction meter	500013	YSgg2018-0730 /2020-03-05 /国家计量院	折射率测量误差允 差: $\pm 5 \times 10^{-5}$ MPE: $\pm 5 \times 10^{-5}$

5. 校准地点、环境条件:

Place and environmental conditions of the calibration:

地点 温度 (25±2) °C 相对湿度 (70±5) %
Place 本院光学理化室(Optics & Phy.-Chemistry) Temperature R.H.

6. 被校准仪器限制使用条件:

Limiting condition of the instrument calibrated:

- 注: 1. 本证书校准结果只与受校准仪器有关。The results relate only to the items calibrated.
Note: 2. 未经本机构书面批准, 不得部分复制此证书。This certificate shall not be reproduced except in full, without the written approval of our laboratory.
3. 本次校准日期视为发布日期。The calibration date is the date of issue of the report.



校准结果

RESULTS OF CALIBRATION

证书编号: HYQ201994179
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原始记录编号: 120194179
Record No.

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1. 外观: 符合要求

Apparant inspection: pass

2. 示值测量: 见表1

Indication values: shown in table 1

表 1
Table 1

标准值 (%) Reference Value	示值 (%) Indication Value	准确度 (%) Indication accuracy
0.0	0.0	0.0
10.0	9.8	-0.2
30.0	29.9	-0.1

说明:

Note:

1. 测量范围 (%): 0~32.

Range

2. 示值测量结果的扩展不确定度: $U=0.4\%, k=2$.

The expanded uncertainty of measuring results

3. 本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度评定与表示》评定, 由合成标准不确定度乘以包含概率约为95%时对应的包含因子 k 得到。

The expanded uncertainty given in this certificate is evaluated according to JJF 1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", which is obtained by multiplying the combined standard uncertainty by the coverage factor k corresponding to the coverage probability of about 95%.

4. 规程要求示值准确度: 见表 2

Technical requirement: shown in table 2

表 2
Table 2

测量范围 (%) Range	0~15		0~30		0~50		0~80	
分度值 (%) resolving power	0.1	0.2	0.2	0.5	0.5	1.0	1.0	2.0
准确度 (%) Accuracy	±0.1	±0.2	±0.2	±0.5	±0.5	±1.0	±1.0	±2.0

5. 按照所依据技术文件的规定, 建议复校时间间隔不超过 1 年。

According to the demand of reference document, next calibration is proposed within one year.