



深圳中电计量测试技术有限公司

Shenzhen Zhongdian Metrology and Testing Technology Co., Ltd

校准证书

CALIBRATION CERTIFICATE



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证书编号

Certificate No.

ZD202205170065

委托方

Client

重庆阳正环保科技股份有限公司

委托方地址

Address

重庆市渝中区经纬大道780号1幢3-7

仪器名称

Description

空气质量检测仪

型号规格

Model/Type

WP6912

制造厂

Manufacturer

阿格瑞斯

出厂编号

Serial No.

/

管理编号

Asset No.

01

样品接收日期

Date of Receipt

2022-05-17

校准日期

Date of Calibration

2022-05-17

批准人 :

Approved Signator

王小云

审核 :

Inspected by

巢弘

校准 :

Tested by

杜峰



地址 : 广东省深圳市宝安区福永街道白石厦社区东区新开发区4栋301

Add : Room 301, Building 4, New Development Area, East Zone, Baishixia Community, Fuyong Su District, Bao'an District, Shenzhen, Guangdong, China

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校准说明

DIRECTIONS OF CALIBRATION

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1. 本实验室出具的数据均可溯源至国家计量基准。
(All data issued by ZD Test are traced to National Primary Standards.)
2. 本结果仅对当次被测样品有效, 如有疑问请在15个工作日反馈。
(The results is ONLY valid for the tested sample, please feedback to us within 15 working days if you have any question.)
3. 本证书编号具有唯一性, 若替换证书, 自发出后原证书即可作废。
(Each certificate has a unique number. If replaced the certificate, the original certificate will be invalid once the new certificate number is issued.)
4. 证书中如有最大允许误差、判定结果, 仅供参考, 其中 "P" 代表 "Pass", "F" 代表 "Fail"。
(In the datasheet, MPE & determination is only for reference, "P" represents "Pass" and "F" represents "Fail".)
5. 本次校准的技术依据及获认可的能力范围, 超出范围的内容未被认可。
(Reference documents and Accredited Scopes for Calibration, Beyond the Scope has not been accredited.):

参照JJG 1022-2016《甲醛气体检测仪检定规程》

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

| 名称/型号 Description/Model | 编号 Serial No. | 证书号 Certificate No. | 有效期至 Due Date | 技术特征 Technique Character |
|----------------------------|------------------|------------------------|------------------|--------------------------------------|
| 空气中甲醛气体标准物质 | 11918 | GBW(E)080539 | 2022-10-12 | / |
| 秒表 | MQ/2068941-1 | 213104266 | 2022-10-13 | 时间间隔: $U=0.01s$, $k=2$ (1~3600)s |

7. 校准地点、环境条件 (Place and environmental conditions of the calibration)

| | | | | | |
|-------------|--------|-------------------|-------|---------------------------|------|
| 地点 Place | 本公司实验室 | 温度 Temperature | 20 °C | 相对湿度 Relative Humidity | 50 % |
|-------------|--------|-------------------|-------|---------------------------|------|

8. 建议复校时间间隔: 12 个月, 送检单位可根据实际情况自主决定。
Suggested calibration interval is 12 month or it can be altered depending on the actual usage of the use



校准结果

Result of Calibration

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1、外观以及一般性检查:

正常

In view of External and Generality check :

Normal

2、仪器示值误差(Indication error):

| 标气浓度 (Gas concentration) (ppm) | 示值误差 (Error) | 技术要求 (Limit) | 结论 (Conclusion) (Pass/Fail) |
|--|-----------------|-----------------|-----------------------------------|
| 0.301 | 0.02 ppm | ±0.05ppm | P |
| 0.711 | -1.52% | ±10% | P |
| 1.205 | -1.95% | | P |

3、重复性(Repeatability):

| 标气浓度 (Gas concentration) (ppm) | 重复性 (Repeatability) (%) | 技术指标 (Limit) (%) | 结论 (Conclusion) (Pass/Fail) |
|--|-------------------------------|------------------------|-------------------------------------|
| 0.711 | 1.3 | ≤5 | P |

4、响应时间 (Response time):

| 标气浓度 (Gas concentration) (ppm) | 响应时间均值 (Response time) (s) | 技术要求 (Limit) (s) | 结论 (Conclusion) (Pass/Fail) |
|--|--------------------------------------|--------------------------|-----------------------------------|
| 0.711 | 66.07 | ≤180 | P |

备注:

Notes:

1.本次测量结果扩展不确定度:

(Expanded uncertainty of the measurement results):

$$U_{rel}=2.8\%, k=2$$

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)

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