



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.

ZD202206181167

委托方

Client

上海仰邦科技股份有限公司

委托方地址

Address

上海市徐汇区钦州北路1199号88幢7楼

仪器名称

Description

六氟化硫传感器

型号规格

Model/Type

BX-SF6

制造厂

Manufacturer

上海仰邦科技股份有限公司

出厂编号

Serial No.

CGQ-2022052260

管理编号

Asset No.

/

样品接收日期

Date of Receipt

2022-06-18

校准日期

Date of Calibration

2022-06-18

批准人 :

Approved Signatory

王小云

审核 :

Inspected by

巢弘

校准 :

Tested by

齐东



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 Sub-District, Bao'an District, Shenzhen, Guangdong, China

电话 (Tel) : 0755-29888158

邮政编码 (Post Code) : 518103

传真 (Fax) : 0755-29796107



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.):

JJF 1711-2018《六氟化硫分解物检测仪校准规范》

- 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
气体标准物质	ZW1436	220104024	2023-05-10	/
秒表	MQ/2068941-1	213104266	2022-10-13	时间间隔: $U=0.01s$, $k=2$ (1~3600)s
皂膜流量计	1039	224902586	2023-08-17	容量: $U=0.10mL$, $k=2$

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

地点 Place	委托方实验室	温度 Temperature	21 °C	相对湿度 Relative Humidity	50 %
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- 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 user.



校准结果

Result of Calibration

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1、外观及各部件相互作用(Appearance & Interaction) :

正常(Normal)

2、仪器示值误差(Indication erro) :

标准值	均测值	示值误差	技术指标	结论
(Standard value)	(Mean value)	(Error)	(Limit)	(Conclusion)
(ppm)	(ppm)	(%)	(%)	(Pass/Fail)
100	98	1.4		P
500	502	-1.7	±10	P
1000	1004	-2.2		P

3、重复性(Repeatability) :

标气浓度	重复性	技术指标	结论
(Standard gas concentration)	(Repeatability)	(Limit)	(Conclusion)
(ppm)	(%)	(%)	(Pass/Fail)
300	1.6	≤2.0	P

4、响应时间 (Response time):

标气浓度	响应时间	技术指标	结论
(Standard gas concentration)	(Response time)	(Limit)	(Conclusion)
(ppm)	(s)	(s)	(Pass/Fail)
300	30.30	≤60	P

备注 :

Notes :

关于测量结果不确定度的说明 :

(Directions of measurement uncertainty in the calibration)

1.依据: JJF1059.1-2012 测量不确定度评定与表示 ;

(Reference Document : JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

2.本次测量结果的扩展不确定度(The expanded uncertainty of the measurement) : $U_{rel}=2.1\%$, $k=2$

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