

检定证书

VERIFICATION CERTIFICATE

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证书编号:

送检单位

Applicant

计量器具名称

Name of Instrument

型号/规格

Type/Specification

出厂编号

Serial No

资产编号

Asset No

制造单位

Manufacturer

检定依据

Verification Regulation

检定结论

Conclusion

多声级声校准器

AC03

230621001

FZ-TE-006

MegaSig

JJG 176-2022 声校准器

1 级合格



Stamp

批准人:

Approved by

张瑞敏

核验员:

Checked by

胡琴

检定员:

Verified by

马康尔

检定日期:

Operation Date

2023 年 07 月 04 日

Year Month Day

依据检定规程, 被检仪器检定周期不超过 12 个月

The Verification Period is

12 Month(s)

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法定计量检定机构授权证书号: (粤)法计(2019)01002 号

Authorization Certificate No.

地址: 广东省深圳市南山区龙珠大道 92 号

Address

邮编: 518055

Post Code

客户服务热线: 400 900 8999 - 1

Customer Service Hotline.

电子邮件: kfzx@smq.com.cn

Email

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国家营养食品质量检验检测中心(广东)
National Nutrition Food Testing Center (Guangdong)
国家体育用品质量检验检测中心(广东)
National Sports Product Testing Center (Guangdong)
国家环保产品质量检验检测中心(广东)
National Environmental Product Testing Center (Guangdong)
国家分布式光伏发电系统质量检验检测中心(广东)
National Distributed Photovoltaic Power Generation System Testing Center (Guangdong)
国家电动汽车电池及充电系统产业计量测试中心
National Metrology Center for Electric Vehicle Battery and Charging System Industry
国家民用无人机产品质量检验检测中心(广东)
National Civil Unmanned Aerial Vehicle Product Testing Center (Guangdong)
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National Hi-tech Metrology Station
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National Metrology and Testing Center for Medical Device Industry
国家计量数据科学中心深圳分中心
National Metrology Data Science Center (Shenzhen)
国家城市能源计量中心(深圳)
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深圳市建材产品质量监督检验站
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深圳市消防产品燃烧性能检测中心
Shenzhen Testing Center for Burning Behavior of Fire Protection Products

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检定证书

VERIFICATION CERTIFICATE

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检定用主要计量标准装置信息

Main Standard Devices Used

名称 Equipment Name	测量范围 Measuring Range	不确定度/准确度等级/ 最大允许误差 Uncertainty/Accuracy Class/ Maximum Permissible Error	计量标准考核证书号 Certificate No	有效期至 Due Date
声校准器检定装置	频率范围 (31.5Hz~16kHz), 声压级 (74~124) dB	声压级: $\square = 0.20$ dB = 2 (31.5 Hz ~ <160 Hz), $\square = 0.15$ dB (160 Hz ~ 1250 Hz) \square = 0.25 dB, $\square = 2$ (>20 Hz ~ 4000 Hz), \square 0.35 dB, $\square = 2$ (>4000 Hz ~ 8000 Hz) \square = 0.50 dB, $\square = 2$ (>8000 Hz ~ 16000 Hz), 频率: $\square = 0.1\%$, $\square = 2$	[2011]粤量标鹏法证字第 096 号	2027-08-04

检定用主要标准器信息

Main Standards of Measurement Used

名称 Equipment Name	测量范围 Measuring Range	不确定度/准确度等级/ 最大允许误差 Uncertainty/Accuracy Class/ Maximum Permissible Error	设备编号 Equipment No	证书号/溯源单位 Certificate No/ Traceability to	有效期至 Due Date
活塞发声器	251.2Hz, 124dB	LS 级	SB5198	LSsx2023-00004/ 中国计量院	2024-01-02
1/2"标准电容传声器	10Hz~20kHz	U= (0.05~0.20) dB,k=2	SB5199	LSsx2023-00303/ 中国计量院	2024-01-10

附加说明

Appended Directions

委托日期: 2023 年 06 月 27 日
Application Date
检定地点: 本院声学龙珠实验室
Operation Location
环境条件: 温度 24.2°C 相对湿度 51%
Operation Environment

质量
(1)
专用
500

检定结果

RESULTS OF VERIFICATION

证书编号：
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- 1 外观检查： 正常
Appearance Check: Pass
- 2 声压级：见表1
Sound Pressure Level: See Table 1

表1 Table 1

频率标称值 Nominal Freq	声压级标称值 Nominal SPL	声压级实测值 Measured SPL	误差 Error	最大允许误差 M. P. E.
(Hz)	(dB)	(dB)	(dB)	(dB)
1000.00	94.00	94.13	+0.13	±0.25 (1级)
1000.00	114.00	114.17	+0.17	±0.25 (1级)

- 3 频率：见表2
Frequency: see Table 2

表2 Table 2

频率标称值 Nominal Freq.	频率实测值 Measured Freq.	误差 Error	最大允许误差 M. P. E.
(Hz)	(Hz)	(%)	(%)
1000.0	1000.0	0.00	±0.7 (1级)

- 4 总失真+噪声：见表3
THD+N: See Table 3

表3 Table 3

标称频率 Nominal Freq.	标称声压级 Nominal SPL	总失真+噪声 THD+N	允许范围 Limit
(Hz)	(Hz)	(%)	(%)
1000.0	94.0	2.33	≤2.5 (1级)
1000.0	114.0	0.87	≤2.5 (1级)



检定结果

RESULTS OF VERIFICATION

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附注 (Note) :

声压级测量结果扩展不确定度： $U = 0.20$ dB (31.5 Hz ~ <160 Hz) , $k=2$;
 $U = 0.15$ dB (160 Hz ~1250 Hz) , $k=2$;
 $U = 0.25$ dB (>1250Hz ~4000 Hz) , $k=2$;
 $U = 0.35$ dB (>4000Hz ~8000 Hz) , $k=2$;
 $U = 0.50$ dB (>8000Hz ~16000 Hz) , $k=2$ 。

频率测量结果扩展不确定度： $U = 0.1$ % , $k = 2$

(依据JJF1059.1-2012测量不确定度评定与表示)

Relative Expanded Uncertainty of SPL: $U = 0.20$ dB, (31.5 Hz ~ <160 Hz) , $k=2$

$U = 0.15$ dB (160 Hz ~1250 Hz) , $k=2$;

$U = 0.25$ dB (>1250Hz ~4000 Hz) , $k=2$;

$U = 0.35$ dB (>4000Hz ~8000 Hz) , $k=2$;

$U = 0.50$ dB (>8000Hz ~16000 Hz) , $k=2$ 。

Relative Expanded Uncertainty of Frequency: $U = 0.1$ % , $k = 2$

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

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