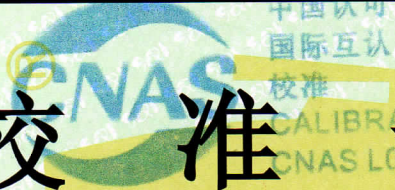




上海市质量监督检验技术研究院

Shanghai Institute of Quality Inspection and Technical Research



校准证书

CALIBRATION CERTIFICATE

证书编号: J16126001150 号
Certificate No.

客户名称: LABORATORIO ELECTROMECHANICO QTEST LTDA
Customer

客户地址: Km 17 via las palmas Parque tecnologico manantiales, Medellin, Colombia
Address of customer

计量器具名称: Horizontal Vertical Flame Tester
Name of Samples

型号 / 规格: HVR-LS
Type/Specification

出厂编号: T201608010
Series No.

制造单位: Lisun Group (Hong Kong) Limited
Manufacturer



批准人: 孙晓虹
Approved by

核验员: 徐静婷
Checked By

校准员: 倪华
Calibrated By

校准日期: 2016 年 8 月 26 日
Date of calibration Year Month Day

地址(Address): 上海市江月路900号 邮编(Post Code): 201114
电话(Telephone): 021-54336359;54336353 传真(Fax): 021-54336359
电子邮件(Email): jls@sqi.org.cn 网址(Web site): www.sqi.org.cn



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本次计量所依据的技术文件(代号、名称):

Reference documents for the calibration (code、name)

GB/T5169.7.14.15.16-1997水平垂直燃烧 GB/T5169.7.14.15.16-1997 Horizontal Vertical Flame
 SQI/JL-BD-18 数字温度指示调节仪示值误差评定 SQI/JL-BD-18 Evaluation of
 Uncertainty for Indication Error of Digital Temperature Indicating Controllers
 JJG 617-1996 数字温度指示调节仪检定规程 JJG 617-1996 Verification regulation of Digital
 Temperature Indicating Controllers
 SQI/JL-BD-12 光滑极限量规示值误差测量结果不确定度评定 SQI/JL-BD-12 Evaluation of
 indicating error's measuring result uncertainty for smooth limit gauge
 JJG349-2014 通用计数器检定规程 JJG349-2001 Verification regulation of General Counter
 SQI/JL-BD-59 频率计不确定度评定 SQI/JL-BD-59 Evaluation of Uncertainty for Cymometer
 按产品说明书及客户要求测试 Calibrating according to technical specifications and user
 requirements

计量地点及环境条件:

Location and environmental condition

计量地点: 江月路900号5号楼416室 其它: /
Location: Room 416, Building 5, No.900, Jianguyue Road Others
 环境温度: 22 °C; 相对湿度: 60 %
Ambient temperature:22°C Relative humidity :60%

本次计量所使用的主要计量标准器具:

Main measurement standards used in this verification

名称/型号 Name/Type	编号 Number	测量范围/准确度 Measuring range/Accuracy	证书编号/有效期限 Certificate No./Due date
电子秒表/JD-3B EI Cronometro/JD-3B	J1-B-A1-90-297	0.01s-9h59min59.99s /±1%	2016F34-10-000354/ 2017-1-25
数显卡尺/0-125mm Digital Calipers/0-125mm	J4-B-A1-11-2109	(0~125)mm /±0.02mm	D16206000016/ 2017-1-7
多功能校准仪/5520A Multifunction Calibrator/5520A	1118009	热电偶:(-150-1500)°C /±0.10°C Thermocouple	2015F11-10-002306/ 2016-10-21
万能工具显微镜 / JX11Universal Measuring Microscope/JX11	870032	(0~200) mm /1+L/100 (μ m)	D16226000271/ 2017-5-23

以上计量标准器具的量值均可溯源到国家基准。

Quantity values of above measurement standards used in this calibration are traced to those of the national primary standards in the P.R. China.

结果/说明:

Results and additional explanation

所测数据符合仪器技术要求 The measured data are in accordance with the technical requirements of the instrument

数据见后页 The next page is the data

本证书提供的结果仅对本次被检(校)样品有效, 未经本院许可, 不得部分采用本证书的内容。

The data are valid only for the Sample(s),Partly using this certificate will not be admitted unless allowed.

结果/说明 (续页):

Results and additional explanation (continued page)

1. 本生灯尺寸 Dimension of Bunsen burner

本生灯内径实测值: 9.51mm

Measured value of Inside diameter of Bunsen burner

本生灯长: 100.05mm

Length of Bunsen burner

2. 定时测试

Timing test

实测值 Measured value(s)

设定值(s) Setting value	燃烧时间 Burning time	余焰时间 Afterflame Time	余灼时间 After-blanch Time:
10	10.0	10.0	10.0
30	30.0	30.0	30.0
90	90.0	90.0	90.0

3. 计次测试

count test

Indication value

Measured value

示值

实测值

1次 time

1次

10次 times

10次

4. 温度测试

Temperature test

Measured value

Indication value

实测值 (°C)

示值 (°C)

0

0

100

101

200

201

500

500

900

900

5. 温升测试

Temperature rise test

(100-700) °C

50W

500W

Dimension test

44.5s

54.9s

6. 尺寸测试

50W铜块 50W copper billet

Standard requirements

标准要求 (mm)

Measured value

实测值 (mm)

5.5±0.01

5.498

0.5

0.498

4±0.02

8.8±0.02

8.792

10.3±0.03

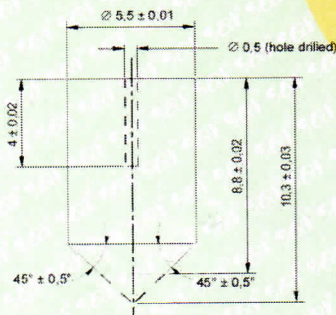
10.293

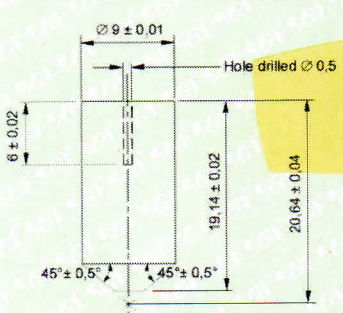
45°±0.5°

45.2°

45°±0.5°

45.2°



500W铜块 500W copper billet	Standard requirements 标准要求 (mm)	Measured value 实测值 (mm)
	9±0.01	8.996
	0.5	0.498
	6±0.02	---
	19.14±0.02	19.138
	20.64±0.03	20.635
	45°±0.5°	45.2°
	45°±0.5°	45.1°

50W Flame height gauge 50W火焰高度尺	Standard requirements 标准要求 (mm)	Measured value 实测值 (mm)	500W Flame height gauge 500W火焰高度尺	Standard requirements 标准要求 (mm)	Measured value 实测值 (mm)
	22±0.1	22.02		38±0.5	37.95
	4±0.05	3.98		4±0.5	3.98
	45° (下) down	45.2°		135±0.5	134.95
	45° (中) middle	45.2°		20±0.5	20.12
	45° (上) up	45.1°		20°	20.1°
				30° (下) down	29.8°
				30° (中) middle	29.9°
				30° (上) up	30.0°

本次校准温度扩展不确定度 $U=1^{\circ}\text{C} (k=2)$
 Expanded uncertainty of calibration temperature
 本次校准时间扩展不确定度 $U_{\text{rel}}=1.0\% (k=2)$
 Expanded uncertainty of calibration time
 本次校准尺寸扩展不确定度 $U=0.05\text{mm} (k=2)$
 Expanded uncertainty of calibration Dimension

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