



Shenzhen Sinotest Measurement Technology Co.,Ltd.



中国认可
国际互认
校准
CALIBRATION
CNAS

Calibration Certificate

Certificate No. ST202409007219

1 3
Page of

Client Name

Address 14718 "6 #10 \$

% &
Description ' () VOCs * + ,

- / / FID3 0 1 2 3
Model/Type Manufacturer

% &
Serial No. 3081017 6 7 /
Management No.

8 9 : ; 2024 < 08 = 31 :
Date of Receipt Year Month Day

> ? : ; 2024 < 08 = 31 :
Calibration Date Year Month Day

@ A B C > ? : ; 2025 < 08 = 30 :
Due Date Year Month Day

D E : ; 2024 < 08 = 31 :
Issue Date Year Month Day



D 2 3 (F G H)
Issued by (Signature)

I ? J :
Approved by (Signature)

K L M :
Inspected by (Signature)

> ? M :
Calibrated by (Signature)

N O P Q R S T U V W X Y Q Z [\ 4] ^ _ ` a b _ c d
B e 3 \$ f 4 \$

ADD NFloor 3, floor 4, building B, Haoye branch, Baoan Taohuayuan
Science and Technology Innovation Park, Fenghuanggang community,
Xixiang Street, Bao 'an district, Shenzhen

g N518102
h i N0755-27780080
j Nwww.sinotest.cn
Email N888@sinotest.cn



Shenzhen Sinotest Measurement Technology Co.,Ltd.

DIRECTIONS

Certificate No.

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Results of Calibration

Certificate No. ST202409007219

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1. k l m n o p * q N
(Appearance & Working Performance Check)

r s(Pass)

2. t u v w N
Indication Error

x ? u Standard Value	t u Indication	v w Error	y w MPE	z { Pass/Fail
500 mol/mol	501 mol/mol	+0.2%	±10%	P
2003 mol/mol	1999 mol/mol	-0.2%	±10%	P
10002 mol/mol	10000 mol/mol	0.0%	±10%	P

3. } ~ o N
Repeatability

x ? u Standard Value	} ~ o Repeatability	] • € • Technical Requirement	z { Pass/Fail
500 mol/mol	0.6%	,2%	P

4. f _ ... † N
Response Time

x ? u Standard Value	f _ ... † Response Time	] • € • Technical Requirement	z { Pass/Fail
10002 mol/mol	4.00s	,10s	P

‡ ^ : % C + Š z < æ • Ž • • ' ' " N
(The Expanded Uncertainty of the Measurement Result Is)

$U_{rel}=1.5\%$; ... † N=0.5s $k=2$

(" • JJF1059.1-2012 + Š • • ' ' — ' ~ t ™
(According to JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

----- Š B > æ(Blank below)-----



Shenzhen Sinotest Measurement Technology Co.,Ltd.

Calibration Certificate



中国认可
国际互认
校准
CALIBRATION
CERTIFICATE

Certificate No. ST202409007243

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Client Name

Address 4718 6 10

Description VOCs

/
Model/Type FID3 Manufacturer

Serial No. 8081011 Management No. /

Date of Receipt 2024 08 31
Year Month Day

Calibration Date 2024 08 31
Year Month

Due Date 2025 08
Year Month

Issue Date 2024 08
Year Month





Shenzhen Sinotest Measurement Technology Co.,Ltd.

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Shenzhen Sinotest Measurement Technology Co.,Ltd.



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CALIBRATION
CNAS

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Certificate No. ST202409007198

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Client Name _____

Address 4718 6 10

Description VOCs

Model/Type FID4 Manufacturer _____

Serial No. 1021009 Management No. /

Date of Receipt 2024 08 31
Year Month Day

Calibration Date 2024 08 31
Year Month Day

Due Date 2025 08 30
Year Month Day

Issue Date 2024 08 31
Year Month Day



()
Issued by (stamp)

:
Approved by 李星



Shenzhen Sinotest Measurement Technology Co.,Ltd.

DIRECTIONS

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Shenzhen Sinotest Measurement Technology Co.,Ltd.

Results of Calibration

Pss/Fail CertificateNo.

ST202409007198

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1.klmnopt

(Appearance & Working Performance Check)

rs





Shenzhen Sinotest Measurement Technology Co.,Ltd.

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Results of Calibration

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of

1. ~~klmnopt~~
(Appearance & Working Performance Check)

rs(Pass)

2. ~~tuvwN~~
Indication Error

xQ StandardValue	tu Indication	vw Error	MPE	z Pass/Fail
500 mol/mol	501 mol/mol	+0.2%	± 10%	P
2003 mol/mol	2005 mol/mol	+0.1%	± 10%	P
10002 mol/mol	9999 mol/mol	0.0%	± 10%	P

3. ~~pN~~
Repeatability

xQ StandardValue	p Repeatability	p TechnicalRequirement	z Pass/Fail
500 mol/mol	0.8%	2%	P

4. ~~fi~~
Response Time

xQ StandardValue	f. ResponseTime	p TechnicalRequirement	z Pass/Fail
10002 mol/mol	4.03s	10s	P

~~10%SE~~
(The Expanded Uncertainty of the Measurement Result Is)

$U_{rel}=1.5\%; N$ $U=0.5s$ $k=2$

(JJF1059.1-2012+~~5~~TM)

(According to JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

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Shenzhen Sinotest Measurement Technology Co.,Ltd.

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Results of Calibration

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1.klmnopt
(Appearance & Working Performance Check)

rs(Pass)

2.tuvwN
Indication Error

校准证书

Calibration Certificate



Z2024N2-H195899

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客户名称
Client Name

上海汉洁环境工程有限公司

地 址
Address

上海市静安区共和新路4718弄6号楼10层

GM8910

BENETECH

说明
DIRECTIONS

证书编号
Certificate No. Z2024N2-H195899

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校准结果

Results of Calibration



证书编号
Certificate No. Z2024N2-H195899

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1. 外观及工作性能检查:
(Appearance & Working Performance Check)

符合 (Pass)

2. 风速校准:
Wind Speed Calibration

风速点 Wind Point	标准风速 Standard Wind Speed Value	风速示值 Wind Speed Indication	修正值 Correction Value	 MPE	结论 Pass/Fail
2m/s	2.00m/s	2.0m/s	0.0m/s	$\pm 0.60\text{m/s}$	P
5m/s	5.00m/s	5.2m/s	-0.2m/s	$\pm 0.75\text{m/s}$	P
10m/s	10.00m/s	10.3m/s	-0.3m/s	$\pm 1.00\text{m/s}$	P
15m/s	15.00m/s	15.5m/s	-0.5m/s	$\pm 1.25\text{m/s}$	P
20m/s	20.00m/s	20.6m/s	-0.6m/s	$\pm 1.50\text{m/s}$	P
25m/s	25.00m/s	25.6m/s	-0.6m/s	$\pm 1.75\text{m/s}$	P
30m/s	30.00m/s	30.7m/s	-0.7m/s	$\pm 2.00\text{m/s}$	P

说明:本次测量结果的扩展不确定度为:

(The Expanded Uncertainty of the Measurement Result Is)

(2~5)m/s, $U=0.20\text{m/s}$; (>5~30)m/s, $U=0.60\text{m/s}$ $k=2$

(依据JJF1059.1-2012测量不确定度评定与表示)

天溯



深圳天溯计量检测股份有限公司

ShenZhen Tiansu Calibration and Testing Co., Ltd

国际互认

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地 址

上海市静安区共和新路4718弄6号楼10层

Address

GM8910

Manufacturer

BENETECH

出厂编号

2599801

管理编号

Serial Number

Management No.

08

Year

Month

校准日期

2024 年

08 月

16 日

Calibration Date

Year

Month

Day

Due Date

Day

发布日期

Issue Date

Month

Day

发证单位(专用章)

Issued by (stamp)

批准:

Approved by

核验:

Inspected by

校准:

Calibrated by

地址: 广东省深圳市龙岗区锦龙大道2号

邮编 (Post Code): 518116

说 明

DIRECTIONS

证书编号
Certificate No. Z20241-H211130

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1. 本实验室质量管理体系依据ISO/IEC17025:2017建立。
The laboratory quality management systems document is established according to ISO/IEC17025:2017.





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Z20241-H211130

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1. 外观及工作性能检查:

(Appearance & Working Performance Check)

符合 (Pass)

2. 湿度修正值 (T=20℃)

Humidity correction value

校准点 Calibration Point	标准值 Standard Value	示值 Indication	修正值 Correction	允差 MPE	结论 Pass/Fail
40%RH	40.1%RH	44.3%RH	-4.2%RH	±5.0%RH	P

校准点 Calibration Point	标准值 Standard Value	示值 Indication	修正值 Correction	允差 MPE	结论 Pass/Fail

说明:本次测量结果的扩展不确定度为:

(The Expanded Uncertainty of the Measurement Result Is)

湿度: $U=1.5\%RH$ 温度: $U=0.3^{\circ}C$ $k=2$



明

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本实验室质量管理体系依据ISO/IEC17025:2017建立

The laboratory quality management systems document is established according to ISO/IEC17025:2017.

校准结果



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1 外观及工作性能检查

(Appearance & Working Performance Check)

2. 示值误差校准:

Indication Error Calibration

标准值 Standard	示值 Indication	示值误差 Indication Error	允差 Tolerance	回程误差 Hysteresis Error	允差 Tolerance	修正值 Corrected	结论