附件1 仪器质检报告及计量认证及风向风速仪校准证书

深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

校 准 证 书

Cali a i C i i a

中国认可 国际互认 校准 CALIBRATION CNAS L4085

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0755-27780080

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

www.sinotest.cn

Email 888@sinotest.cn

深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

证 书 说 明

C

202409007219 2 3

Our company is an independent third-party calibration services.

I /

he data in this certificate can be traced to International ystem of Units (I) and/or social public measurement standards.

he calibration certificate contains data and information applies only to the calibrated instrument.

he calibration certificate has uniqueness, we only charge of original certificate.

“ ”

Copying or using select parts or tampering with this document without the permission of our company is forbidden.

Copies of this certificate without an official stamp of calibration are not valid.

Authentication marks on certificates are printed to be valid, and other forms of affirmation marks are invalid.

his certificate of content with our final interpretation.

CNAS

Parameter with asterisk ‘ ’ is not within the accreditation by C A .

C A C A

Reference documents for the Calibration and the C A accreditation range, Beyond the scope of the data is not within the accreditation by C A

JJF( )033-2020

本次校准使用主要计量标准器具

Main tandards of Measurement Used

Description	Equipment o.	Certificate o.	Due date	Actuator
	B053-1	GB (E)084001	2025-08-04	
	DX-BZ-012	P202401302	2025-07-04	

附加说明

Appended Directions

: 539 96

Operation Location

: : : %

Operation Environment emperature 20.3 Relative Humidity 53

:

tatement of Compliance Limitation

深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

校 准 结 果

l Cali a i

ST202409007219 3 3

f

1.
(Appearance & Working Performance Check) (Pass)

2.
Indication Error

500μmol/mol	501μmol/mol	+0.2%	±10%	P
2003μmol/mol	1999μmol/mol	-0.2%	±10%	P
10002μmol/mol	10000μmol/mol	0.0%	±10%	P

3.
Repeatability

500μmol/mol	0.6%	≤2%	P

4.
Response Time

10002μmol/mol	4.00s	≤10s	P

:
(The Expanded Uncertainty of the Measurement Result Is)

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

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

---------- (Blank below)----------

深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

校 准 证 书
Cali a i C i i a

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B 3 4

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

518102

0755-27780080

www.sinotest.cn

Email 888@sinotest.cn

深圳市中测计量检测技术有限公司

Shenzhen Sinotest Measurement Technology Co.,Ltd.

证 书 说 明

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CNAS

本次校准使用主要计量标准器具

附加说说

深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

校 准 结 果

l Cali a i

ST202408079931 3 3

1.
(Appearance & Working Performance Check) (Pass)

2.
Indication Error

500 μmol/mol	505 μmol/mol	+1.0%	±10%	P
2003 μmol/mol	2018 μmol/mol	+0.7%	±10%	P
10002 μmol/mol	10175 μmol/mol	+1.7%	±10%	P

3.
Repeatability

500 μmol/mol	0.5%	≤2%	P

4.
Response Time

10002 μmol/mol	3.55s	≤10s	P

:
(The Expanded Uncertainty of the Measurement Result Is)
U_{rel}=1.5%; U=0.5s k=2
(JJF1059.1-2012
(According to JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

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深圳市中测计量检测技术有限公司

Shenzhen Sinotest Measurement Technology Co.,Ltd.

校 准 证 书

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深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

证 书 说 明
C

202409007275 2 3

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C A C A
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JJF( )033-2020

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附加说明
Appended Directions

: 539 96
Operation Location

: : : %
Operation Environment emperature 20.3 Relative Humidity 53

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tatement of Compliance Limitation

深圳市中测计量检测技术有限公司
Shenzhen Sinotest Measurement Technology Co.,Ltd.

校 准 结 果

l Cali a i

3 3

ST202409007275

f

1.
(Appearance & Working Performance Check) (Pass)

2.
Indication Error

校 准 证 书
Calibration Certificate

CALIBRATION
CNAS L5138

证书编号 *Certificate No.* Z2024N2-H195899

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

仪器名称 *Description* 风速仪（风速部分）

型号/规格 *Model/Type* GM8910

制造厂商 *Manufacturer* BENETECH

出厂编号 *Serial Number* 2599801

管理编号 *Management No.*

接收日期 *Date of Receipt* 2024 年 *Year* 08 月 *Month* 15 日

校准日期 *Calibration Date* 2024 年 *Year* 08 月 *Month* 17 日 *Day*

建议下次校准日期 *Due Date* 2025 年 *Year* 08 月 *Month* 16 日 *Day*

发布日期 *Issue Date* 2024 年 *Year* 08 月 *Month* 17 日 *Day*

发证单位(专用章) *Issued by (stamp)*

批准: *Approved by*

核验: *Inspected by* 何芬

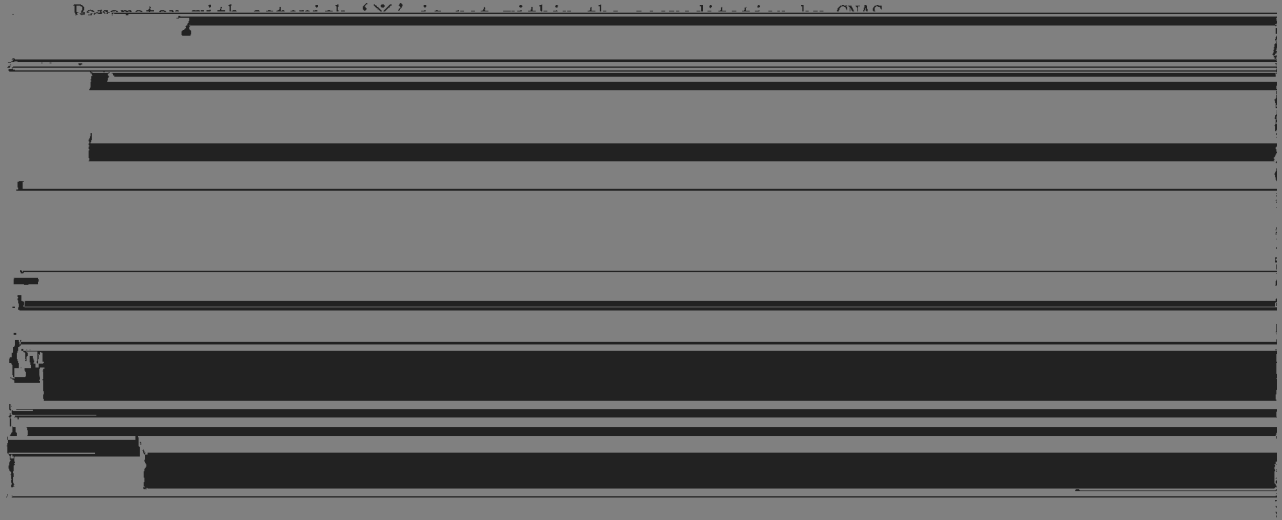
校准: *Calibrated by*

地址：广东省深圳市龙岗区锦龙大道2号
ADD：No.2, Jinlong Avenue, Longgang District, Shenzhen, Guangdong, China
电话（TEL）：0755-84815081
邮编(Post Code)：518116
网址：http://www.tiansu.org
Email：zskf@tiansu.org

说　　明
DIRECTIONS

证书编号 *Certificate No.* Z2024N2-H195899　　第 2 页 *Page*

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.
2. 本证书中的数据均可溯源至国际单位制（SI）单位和/或社会公用计量标准。
   The data in this certificate can be traced to International System of Units (SI) and/or social public measurement standards.
3. 本证书未经签章、数据涂改、或分离使用均无效。未经我司书面批准，不得部分复制此证书。校准结果仅对受测仪器当时之情况负责。
   The Certificate is invalid when no stamp sealed on, data alteration or separate use. Without our written approval, the certification should not be partially duplicated. The calibration results are only responsible for calibration conditions of the instrument at the time.
   本证书具有唯一性，带有相同证书编号、按页码顺序的组成页为校准证书，我司对本证书的内容拥有最终解释权。
   The certificate is unique,and made up of pages with same certificate number and serial order,and reserves final explanation right of the certificate contents.
5. 证书中最大允许误差、判定结果仅供参考，其中“P”代表“合格”，“F”代表“不合格”。
   MPE & judgement result in the datasheet is only for reference,"P"is"Pass""F"is "Fail".
6. 若被校仪器属于强检范畴，按照法规要求，不能替代检定证书。
   If the instrument belongs to compulsory test field, the corresponding calibration can not replace the verification according to the compulsory regulations.
7. 带※的参数项目表示不在CNAS认可范围内。
   Parameter with asterisk '※' is not within the accreditation by CNAS.



校 准 结 果
Results of Calibration

证书编号 Z2024N2-H195899
Certificate No.

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*	允差 *MPE*	结论 *Pass/Fail*
2m/s	2.00m/s	2.0m/s	0.0m/s	±0.60m/s	P
5m/s	5.00m/s	5.2m/s	-0.2m/s	±0.75m/s	P
10m/s	10.00m/s	10.3m/s	-0.3m/s	±1.00m/s	P
15m/s	15.00m/s	15.5m/s	-0.5m/s	±1.25m/s	P
20m/s	20.00m/s	20.6m/s	-0.6m/s	±1.50m/s	P
25m/s	25.00m/s	25.6m/s	-0.6m/s	±1.75m/s	P
30m/s	30.00m/s	30.7m/s	-0.7m/s	±2.00m/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=0.20m/s；(>5～30)m/s，U=0.60m/s k=2
(依据JJF1059.1-2012测量不确定度评定与表示)
(According to JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

----------以下空白(Blank below)----------

天溯 深圳天溯计量检测股份有限公司
ShenZhen Tiansu Calibration and Testing Co., Ltd

校准证书
Calibration Certificate

中国认可
国际互认
校准
CALIBRATION
CNAS L5138

证书编号 Z20241-H211130 第 1 页 共 页
Certificate No. *Page* *of*

客户名称 上海汉洁环境工程有限公司
Client Name

地　　址 上海市静安区共和新路4718弄6号楼10层
Address

型号/规格 GM8910 制造厂商 BENETECH
Address *Manufacturer*

出厂编号 2599801 管理编号
Serial Number *Management No.*

接收日期 *Date of Receipt*	2024 年 *Year*	08 月 *Month*	15 日 *Day*
校准日期 *Calibration Date*	2024 年 *Year*	08 月 *Month*	16 日 *Day*
建议下次校准日期 *Due Date*	2025 年 *Year*	08 月 *Month*	15 日 *Day*
发布日期 *Issue Date*	2024 年 *Year*	08 月 *Month*	16 日 *Day*

发证单位(专用章)
Issued by (stamp

批准:
Approved by

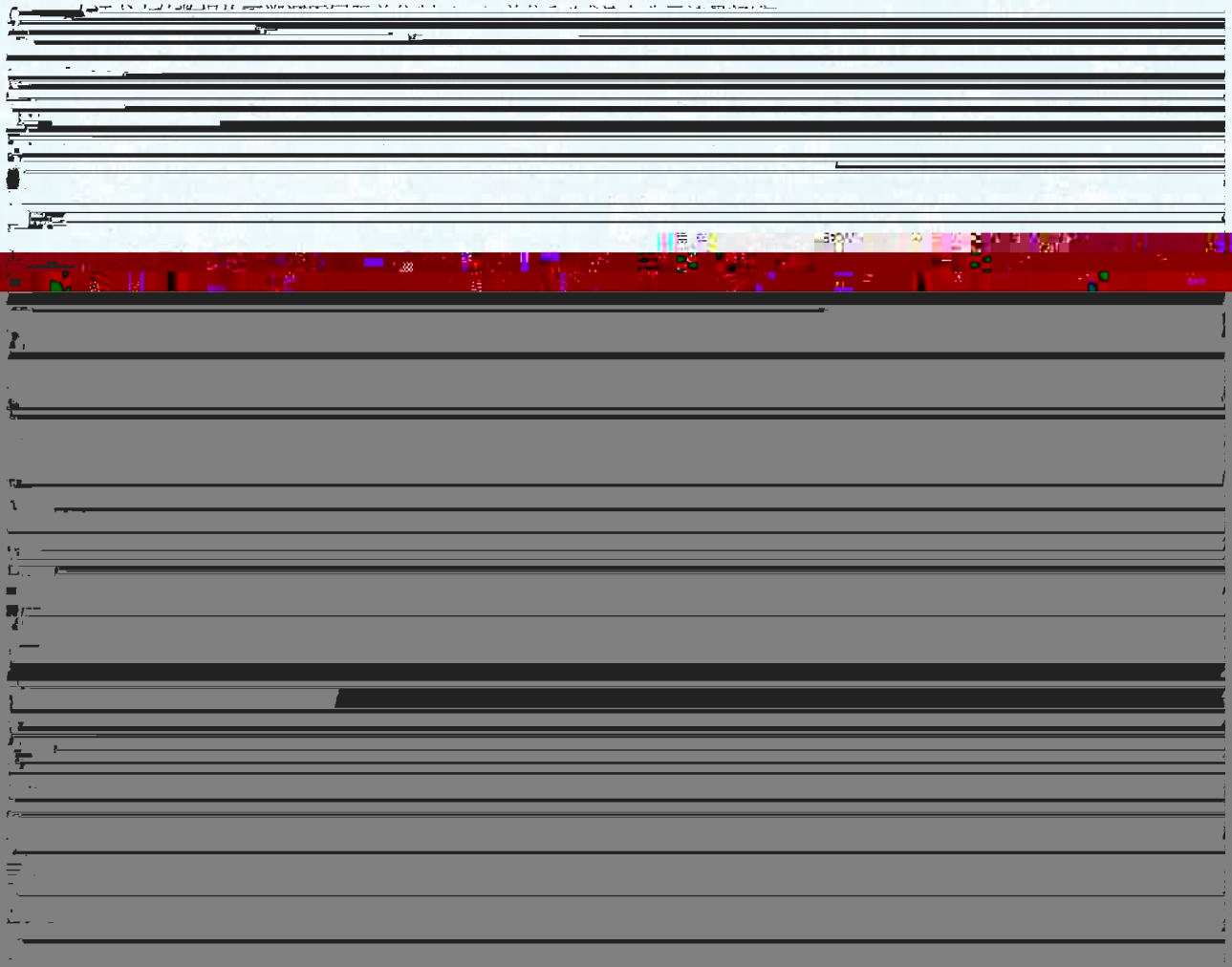
核验:
Inspected by

校准:
Calibrated by

地址：广东省深圳市龙岗区锦龙大道2号
ADD：No.2, Jinlong Avenue, Longgang District, Shenzhen, Guangdong, China
电话（TEL）：0755-84815081
邮编(Post Code)：518116
网址：http://www.tiansu.org
Email：zskf@tiansu.org

说　　明
DIRECTIONS

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.



天溯 深圳天溯计量检测股份有限公司

校 准 结 果
Results of Calibration

证书编号 Z20241-H211130 第 3 页 共 3 页
Certificate No. *Page* *of*

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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Calibration Point	*Standard Value*	*Indication*	*Correction*	*MPE*	结论 *Pass/Fail*
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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℃ k=2
(依据JJF1059.1-2012测量不确定度评定与表示)
(According to JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

----------以下空白(Blank below)----------

校准证书
Calibration Certificate

证书编号 *Certificate No.* Z20242-H195992

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
仪器名称 *Description*	风速仪（大气压部分）
型号/规格 *Model/Type*	GM8910
制造厂商 *Manufacturer*	BENETECH
出厂编号 *Serial Number*	2599801
管理编号 *Management No.*	
接收日期 *Date of Receipt*	2024 年 *Year* 08 月 *Month* 15 日 *Day*
校准日期 *Calibration Date*	2024 年 *Year* 08 月 *Month* 17 日 *Day*
建议下次校准日期	2025 年 08 月 16 日
发布日期 *Issue Date*	2024 年 *Year* 08 月 *Month* 17 日 *Day*

发证单位(专用章) *Issued by (stamp)*

批准: *Approved by* (科室主任)

核验: *ected by*

校准: *Calibrated by*

地址：广东省深圳市龙岗区锦龙大道2号
ADD：No.2, Jinlong Avenue, Longgang District, Shenzhen, Guangdong, China
电话（TEL）：0755-84815081
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网址：http://www.tiansu.org
Email：zskf@tiansu.org

说　　明
DIRECTIONS

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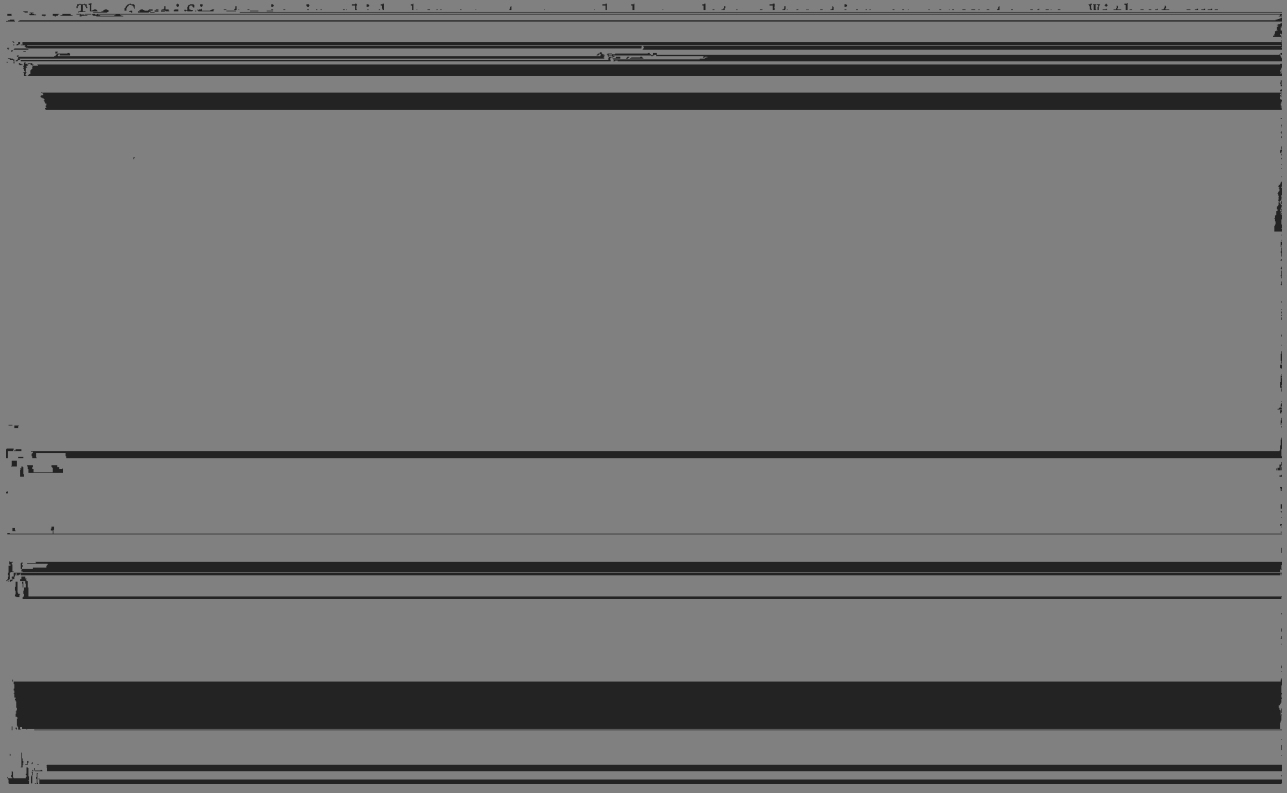
The data in this certificate can be traced to International System of Units (SI) and/or social public measurement standards.

3. 本证书未经签章、数据涂改、或分离使用均无效。未经我司书面批准，不得部分复制此证书。校准结果仅对受测仪器当时之情况负责。
[redacted]



天溯 深圳天溯计量检测股份有限公司

校准结果
Results of Calibration

证书编号 *Certificate No.* Z20242-H195992

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

2.示值误差校准：
Indication Error Calibration

标准值 *Standard Value*	示值 *Indication*	示值误差 *IndicatingError*	允差 *MPE*	回程误差 *Repeatability*	允差 *MPE*	修正值 *Corrected Value*	结论 *Pass/Fail*
600hPa	599.90hPa	-0.10hPa	±5.0hPa	0.00hPa	≤2.5hPa	0.10hPa	
700hPa	699.95hPa	-0.05hPa	±5.0hPa	0.10hPa	≤2.5hPa	0.05hPa	P
800hPa	800.00hPa	0.00hPa	±5.0hPa	0.00hPa	≤2.5hPa	0.00hPa	

[redacted]