

Certificate No. 24PTP_0104240338

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Certificate of Calibration

EQUIPMENT : POSITIVE AIRWAY PRESSURE UNITS, CONTINUOUS

ID CODE : PTP01345

MANUFACTURER : PHILIPS

MODEL : OMNILAB ADVANCED+

SERIAL No. : L20642396994B

LOCATION : Neurology

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

670/1 Phaholyothin Road, Samsen Nai, Phaya Thai, Bangkok 10400

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 26 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha Approved by :

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

Performed by:

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEGas Flow AnalyzerFluke BiomedicalVT650606972523MD115827 Aug 2024

2. THIS CERTIFICATION IS TRACEABLE TO:

- Technology Promotion Association (Thai-Japan)

3. THIS RESULT OF TEST WAS FOUND ACCURATE AS SHOW ON DATE AND PLACE OF TEST ONLY



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Calibration Report

EQUIPMENT : POSITIVE AIRWAY PRESSURE UNITS, CONTINUOUS

ID CODE : PTP01345

MANUFACTURER : PHILIPS

MODEL : OMNILAB ADVANCED+

SERIAL No. : L20642396994B

DATE OF CALIBRATION : 26 APRIL 2024

ENVIRONMENT : TEMPERATURE 24 °C

RELATIVE HUMIDITY 56 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/	Without Adjustment		Before Adjustment		After Adjustment
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BREATH RATE						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
30	30.08	0.08	0.25	± 0.3500		
20	19.95	-0.05	-0.25	± 0.2381		
15	15.00	0.00	0.00	± 0.1732		

IPAP						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(cmH ₂ O)	(cmH ₂ O)	(cmH ₂ O)	(%)	(cmH ₂ O)		
10	9.87	-0.13	-1.30	± 0.3200		
20	20.13	0.13	0.65	± 0.3200		
30	29.19	-0.81	-2.70	± 0.3200		

EPAP						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(cmH2O)	(cmH2O)	(cmH2O)	(%)	(cmH2O)		
5	4.90	-0.10	-2.00	± 0.0577		
10	9.92	-0.08	-0.78	± 0.1164		
15	14.89	-0.11	-0.73	± 0.1732		

UUC*: Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%