

Certificate No. 24P

24PTP_0104240142

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Certificate of Calibration

EQUIPMENT : OXYGEN HIGH FLOW

ID CODE : PTP00079

MANUFACTURER : FISHER & PAYKEL HEALTHCARE

MODEL : AIRVO 2

SERIAL No. : 1150119010150

LOCATION : Patient Wards 18

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 18 APRIL 2024

ISSUE DATE : 1 MAY 2024

Chakkaphan

CHAKKAPHAN KHAMPHUMI

Performed by :

Approved by:

v

PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

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 : OXYGEN HIGH FLOW

ID CODE : PTP00079

MANUFACTURER : FISHER & PAYKEL HEALTHCARE

MODEL : AIRVO 2

SERIAL No. : 1150119010150

DATE OF CALIBRATION : 18 APRIL 2024

ENVIRONMENT : TEMPERATURE 24 °C

RELATIVE HUMIDITY 55 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/	Without Adjustment		Before Adjustment		After Adjustment
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FLOW RATE								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(LPM)	(LPM)	(LPM)	(%)	(LPM)				
20	19.36	-0.64	-3.20	± 0.2408				
30	27.47	-2.54	-8.45	± 0.3501				
40	37.59	-2.41	-6.03	± 0.4661				
50	45.97	-4.04	-8.07	± 0.5808				
60	56.73	-3.27	-5.45	± 0.5802				

OXYGEN CONCENTRATION								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(%O ₂)	(%O ₂)	$(\%O_2)$	(%)	(%O ₂)				
21	21.40	0.40	1.90	± 0.4850				
60	61.10	1.10	1.83	± 1.3857				
95	96.90	1.90	2.00	± 2.1940				

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%

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