

Certificate No.

24PTP_0104240145

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Certificate of Calibration

EQUIPMENT : OXYGEN HIGH FLOW

ID CODE : PTP03798

MANUFACTURER : FISHER & PAYKEL HEALTHCARE ?

MODEL : AIRVO 2

SERIAL No. : 210417257845

LOCATION : I.C.U

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:

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 : PTP03798

MANUFACTURER : FISHER & PAYKEL HEALTHCARE [2]

MODEL : AIRVO 2

SERIAL No. : 210417257845

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	19.13	-0.87	-4.36	± 0.2405				
30	27.55	-2.45	-8.17	± 0.3506				
40	37.87	-2.13	-5.33	± 0.4607				
50	47.84	-2.16	-4.32	± 0.5811				
60	57.81	-2.19	-3.65	± 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	60.70	0.70	1.17	± 1.3857				
95	97.10	2.10	2.21	± 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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