

Certificate No.

24PTP_0104240143

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Certificate of Calibration

EQUIPMENT : OXYGEN HIGH FLOW

ID CODE : PTP03799

MANUFACTURER : FISHER & PAYKEL HEALTHCARE [2]

MODEL : AIRVO 2

SERIAL No. : 210417257936

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 : PTP03799

MANUFACTURER : FISHER & PAYKEL HEALTHCARE [2]

MODEL : AIRVO 2

SERIAL No. : 210417257936

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	18.42	-1.58	-7.90	± 0.2400				
30	27.56	-2.44	-8.13	± 0.3500				
40	38.04	-1.96	-4.90	± 0.4600				
50	45.66	-4.34	-8.68	± 0.5800				
60	58.41	-1.59	-2.65	± 0.5800				

OXYGEN CONCENTRATION									
UUC* Setting	Standard Reading	Error	% Error	Uncertainty					
(%O ₂)	(%O ₂)	(%O ₂)	(%)	(%O ₂)					
21	21.30	0.30	1.43	± 0.4850					
60	60.50	0.50	0.83	± 1.3857					
95	97.40	2.40	2.53	± 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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