Certificate of Calibration

EQUIPMENT	:	OXYGEN HIGH FLOW
ID CODE	:	PTP03873
MANUFACTURER	:	COMEN
MODEL	:	NF5
SERIAL No.	:	F5210615001C
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

Performed by : _____   Approved by : _____

SUPATCHA BUAPUEAN   *PHUWASIN YIWKIM*

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER	MANUFACTURER	MODEL	SERIAL NO.	CERTIFICATE NO.	DUE DATE
Gas Flow Analyzer	Fluke Biomedical	VT650	6069725	23MD1158	27 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

Calibration Report

EQUIPMENT	:	OXYGEN HIGH FLOW
ID CODE	:	PTP03873
MANUFACTURER	:	COMEN
MODEL	:	NF5
SERIAL No.	:	F5210615001C
DATE OF CALIBRATION	:	18 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

FLOW RATE

UUC* Setting (LPM)	Standard Reading (LPM)	Error (LPM)	% Error (%)	Uncertainty (LPM)
20	19.71	-0.30	-1.48	± 0.2461
30	28.81	-1.20	-3.98	± 0.3523
40	38.87	-1.13	-2.83	± 0.4639
50	49.57	-0.43	-0.86	± 0.5818
60	61.83	1.83	3.05	± 0.5825

OXYGEN CONCENTRATION

UUC* Setting ($\%O_2$)	Standard Reading ($\%O_2$)	Error ($\%O_2$)	% Error (%)	Uncertainty ($\%O_2$)
21	22.10	1.10	5.24	± 0.4850
60	61.40	1.40	2.33	± 1.3857
100	98.30	-1.70	-1.70	± 2.3095

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%