Certificate of Calibration

EQUIPMENT	:	OXYGEN HIGH FLOW
ID CODE	:	PTP03876
MANUFACTURER	:	COMEN
MODEL	:	NF5
SERIAL No.	:	F5210615065C
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 : Supatcha _____ Approved by : _____

SUPATCHA BUAPUEAN *PHUWASIN YIWKIM*

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

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ID CODE	:	PTP03876	
MANUFACTURER	:	COMEN	
MODEL	:	NF5	
SERIAL No.	:	F5210615065C	
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	21.68	1.68	8.40	± 0.2475
30	32.59	2.59	8.63	± 0.3591
40	43.40	3.40	8.51	± 0.4664
50	54.38	4.38	8.76	± 0.5849
60	65.41	5.41	9.02	± 0.5850

OXYGEN CONCENTRATION				
UUC* Setting ($\%O_2$)	Standard Reading ($\%O_2$)	Error ($\%O_2$)	% Error (%)	Uncertainty ($\%O_2$)
21	21.30	0.30	1.43	± 0.4850
60	58.60	-1.40	-2.33	± 1.3857
100	97.40	-2.60	-2.60	± 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%

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