

Certificate No.

24PTP\_0104240108

Page 1 of 2

### **Certificate of Calibration**

EQUIPMENT : OXYGEN HIGH FLOW

ID CODE : PTP03874

MANUFACTURER : COMEN

MODEL : NF5

SERIAL No. : F5210609092C

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

Supatcha Approved by:

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

This certificate may not be reproduced except in full unless permission for reproduction has been obtained in writing from the calibration.

### **CONDITION OF THIS RESULT OF TEST**

Performed by:

### 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



*Certificate No.* 24PTP\_0104240108

Page 2 of 2

# **Calibration Report**

EQUIPMENT : OXYGEN HIGH FLOW

ID CODE : PTP03874

MANUFACTURER : COMEN

MODEL : NF5

SERIAL No. : F5210609092C

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	Standard Reading	Error	% Error	Uncertainty				
(LPM)	(LPM)	(LPM)	(%)	(LPM)				
20	20.81	0.81	4.06	± 0.2413				
30	30.34	0.34	1.12	± 0.3542				
40	39.39	-0.61	-1.52	± 0.4613				
50	48.64	-1.36	-2.73	± 0.5816				
60	60.48	0.48	0.80	± 0.5815				

OXYGEN CONCENTRATION								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(%O <sub>2</sub> )	(%O <sub>2</sub> )	(%O <sub>2</sub> )	(%)	(%O <sub>2</sub> )				
21	21.20	0.20	0.95	± 0.4850				
60	59.60	-0.40	-0.67	± 1.3857				
100	98.60	-1.40	-1.40	± 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%

FI-BME-NHS-CP-068/1 Rev.03 Page 2/2 Issued Date 20/07/2023