

Certificate No.

24PTP_0104240315

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Certificate of Calibration

EQUIPMENT : OXYGEN HIGH FLOW

ID CODE : PTP03872

MANUFACTURER : COMEN

MODEL : NF5

SERIAL No. : F5210609110C

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 : 25 APRIL 2024

ISSUE DATE : 1 MAY 2024

Kanittha. Approved by:

KANITTHA SRIPRAPAD

Performed 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 : PTP03872

MANUFACTURER : COMEN

MODEL : NF5

SERIAL No. : F5210609110C

DATE OF CALIBRATION : 25 APRIL 2024

ENVIRONMENT : TEMPERATURE 25 °C

RELATIVE HUMIDITY 55 %

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 | 20.20 | 0.20 | 1.00 | ± 0.2400 | | | | |
| 30 | 29.73 | -0.27 | -0.90 | ± 0.3500 | | | | |
| 40 | 39.16 | -0.84 | -2.10 | ± 0.4600 | | | | |
| 50 | 49.31 | -0.69 | -1.38 | ± 0.5800 | | | | |
| 60 | 59.27 | -0.73 | -1.22 | ± 0.5800 | | | | |

| OXYGEN CONCENTRATION | | | | | | | | |
|----------------------|--------------------|--------------------|---------|--------------------|--|--|--|--|
| UUC* Setting | Standard Reading | Error | % Error | Uncertainty | | | | |
| (%O ₂) | (%O ₂) | (%O ₂) | (%) | (%O ₂) | | | | |
| 21 | 20.17 | -0.83 | -3.95 | ± 0.4850 | | | | |
| 60 | 60.29 | 0.29 | 0.48 | ± 1.3857 | | | | |
| 100 | 100.12 | 0.12 | 0.12 | ± 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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