

# Micro Advance Calibration Lab

### DEALS IN SALES AND CALIBRATION OF INSTRUMENTS

Plot No - 349/A-1, H.I.G., Ground Floor Front, Shalimar Garden, Extn - 1 Sahibabad, Ghaziabad - 201005 (U.P.)

Page No :- 1 of 1

Certificate No. Issue Date Service Request No. Service Request Date	MACL/22/II/121-01 17-06-2022 MACL/22/II/121 13-06-2022	Calibration Certificate of
Calibration Date Calibration Due Date (As per	15-06-2022 14-06-2023	CENTRIFUGE MACHINE
Customer request)		

Name & Address of Customer	Identifica	tion on UUC (Unit Under Calibration)
ESIC MEDICAL COLLEGE AND HOSPITAL, FARIDABAD	i tungor ones	0-4500 rpm REMI/ R-8M PLUS
NH-3,NIT, FARIDABAD,HARYANA,INDIA-121001	mand / model i.e.	ZFBN-06439
	Instrument Sr. No.	
	Least Count	10 rpm
	Location/Dept.	Lab
	Visual Inspection	O.K.

Calibration Procedure	MACL/H/CP-01 to 25	Condition of Instrument	O.K.
Reference Standard		Calibration performed at	Site
Environmental Condition	Temperature	30 ± 5 °C Relative Humidity	30 to 80 % RH

Standard Equipment Used for Calibration							
Instrument Name	Make	I.D No./Sr.No.	Calibrated By	Certificate No.	Due Date		
Digital Tachometer	Kusum-Meco	MACL/TM-01	ACE CALIBRATION AND TESTING LAB	ACTL/A/023/22-01	21-01-2023		

#### Calibration Results

Parameter	Set Value (UUC) rpm	Standard Value (Ref.) in rpm)	Error rpm	Uncertainity of Measurment
RPM Range 4000 rpm	2000 2500 3500 4500	1991 2493 3489 4465	-9 -7 -11 -35	1.0%

Note:- The reported uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95 %

Note:

- 1. This Certificate refers only to the particular items submitted for calibration.
- This Certificate shall not be reproduced, except in full, without the written permission of C.E.O. Micro Advance Calibration Lab Ghaziabad.
- 3. Result Reported are Valid at the of and under the stated conditions of measurement.
- 4. Laboratory Standards are traceable to National Standards.
- Calibration Certificate issue for weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc.for scientific purpose only and should not be used for Trade / Commerical use

CALIBRATED BY

Uma Shanker Sharma Calibration Engineer APPROVED BY

Mukesh Kumar Shakya Authorized Signatory

1310



# , Micro Advance Calibration Lab

Plot No - 349/A-1, H.I.G., Ground Floor Front, Shalimar Garden, Extn - 1 Sahibabad, Ghaziabad - 201005 (U.P.)

Page No:- 1 of 1

		Page No 10
Certificate No.	MACL/22/H/121-02	
Issue Date	17-06-2022	Calibration Certificate of
Service Request No.	MACL/22/H/121	Campianon Cerunicate of
Service Request Date	13-06-2022	
Calibration Date	15-06-2022	
Calibration Due Date (As per	14-06-2023	CENTRIFUGE MACHINE
Customer request)		

### IFUGE MACHINE

Name & Address of Customer	Identification on UUC (Unit Under Calibration)		
ESIC MEDICAL COLLEGE AND HOSPITAL, FARIDABAD	Range/ Size	0-4500 rpm	
NH-3,NIT, FARIDABAD,HARYANA,INDIA-121001	Make / Model NO.	REMI/ R-8M PLUS	
	Instrument I.D. No.	ZFBN-06438	
,	Instrument Sr. No.		
	Least Count	10 rpm	
	Location/Dept.	Lab	
	Visual Inspection	О.К.	

Calibration Procedure	MACL/H/CP-01 to 25	MACL/H/CP-01 to 25 Condition of Instrument		
Reference Standard		Calibration performed at	Site	
Environmental Condition	Temperature	30 ± 5 °C Relative Humidity	30 to 80 % RH	

Standard Equipment Used for Calibration						
Instrument Name	Make	I.D No./Sr.No.	Calibrated By	Certificate No.	Due Date	
Digital Tachometer	Kusum-Meco	MACL/TM-01	ACE CALIBRATION AND TESTING LAB		21-01-2023	

#### Calibration Results

Parameter RPM	Set Value (UUC) rpm	Standard Value (Ref.) in rpm)	Error rpm	Uncertainity of Measurment
Range 4000 rpm	2000 2500 3500 4500	1992 2496 3487 4463	-8 -4 -13 -37	1.0%

Note:-	
Note;-	The reported uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the standard uncertainty of measurement obtained
	by multiplying the standard uncertainty by the experience for
	by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95 %

1. This Certificate refers only to the particular items submitted for calibration.

- 2. This Certificate shall not be reproduced, except in full, without the written permission of C.E.O. Micro Advance Calibration Lab Ghaziabad.
- Result Reported are Valid at the of and under the stated conditions of measurement.

4. Laboratory Standards are traceable to National Standards.

5. Calibration Certificate issue for weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc.for scientific purpose only and should not be used for Trade / Commerical use

**CALIBRATED BY** 

Uma Shanker Sharma Calibration Engineer APPROVED BY

Mukesh Kumar Shakya Authorized Signatory





# , Micro Advance Calibration Lab

### DEALS IN SALES AND CALIBRATION OF INSTRUMENTS

Plot No - 349/A-1, H.I.G., Ground Floor Front, Shalimar Garden, Extn - 1 Sahibabad, Ghaziabad - 201005 (U.P.)

### Calibration Certificate

....

Certificate No.
Issue Date
Service Request No.
Service Request Date
Calibration Date
Calibration Due Date (As per
Customer request)

MACL/22/H/121-03 17-06-2022 MACL/22/H/121 13-06-2022 15-06-2022 14-06-2023

Calibration Certificate of

Page No :-

MICRO PIPETTE

Name & Address of Customer Identification on UUC (Unit Under Calibration) Range/ Size 100 - 1000 µl ESIC MEDICAL COLLEGE AND HOSPITAL, FARIDABAD NH-3,NIT, FARIDABAD,HARYANA,INDIA-121001 Make / Model No. **GEM** Inst. I.D. No./Asset Code. 223025277 Instrument Sr. No. Least Count 1 µl Lab Location Visual Inspection O.K

Calibration Procedure	MACL/H/CP-01 to 25		Condition of Instrument		O.K.
Reference Standard			Calibration performed at		LAB
Environmental Condition	Temperature		25 ± 2°C	Relative Humidity	50 ± 20 % RH

Standard Equipment Used for Calibration					
Instrument Name	Make	I.D No./Sr.No.	Calibrated By	Certificate No.	Due Date
Weight Box	-	MACL/M/WTS-01	ACE CALIBRATION AND TESTING LAB	ACTL/A/024/22-01	21-01-2023
Weighing Balance	Amco	MACL/M/WM-02	Pinpoint Precision Calibration Lab Pvt. Ltd	PPCL/A/2022/007-002	21-01-2023
Weiging Balance	Citizen	MACL/M/WM-01	ACE CALIBRATION AND TESTING LAB	ACTL/A/025/22-01	21-01-2023

#### **Calibration Results**

F	Reading (UUC) in	μΙ	Reading (Reference ) in µl	Obeserved Error in µl	1
	100		99.7	0.3	
	500		499.5	0.5	
	1000		998.9	1.1	1

Uncertainty of Measurement The reported uncertainty stated is the expanded uncertainty of measurement obtained ± 1%. by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95 %

Note :- 🥡

- This Certificate refers only to the particular items submitted for calibration.
- This Certificate shall not be reproduced except in full without the written permission of C.E.O. Micro Advance Calibration Lab Ghaziabad
- 3. Result Reported are Valid at the of end under the stated conditions of measurement.
- Laboratory Standards are traceable to National Standards.
- Calibration Certificate issue for weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc.for scientific purpose only and should not be used for Trade / Commercial use

CALIBRATED BY

Uma Shanker Sharma Calibration Engineer CHAZIABAD E

APPROVED BY

Mukesh Kumar Shakya-Authorized Signatory



# , Micro Advance Calibration Lab

## DEALS IN SALES AND CALIBRATION OF INSTRUMENTS

Plot No - 349/A-1, H.I.G., Ground Floor Front, Shalimar Garden, Extn - 1 Sahibabad, Ghaziabad - 201005 (U.P.)

# Calibration Certificate

Page No >

Certificate No.	MACL/22/II/121-04	
Issue Date	17-06-2022	
Service Request No.	MACL/22/II/121	
Service Request Date	13-06-2022	
Calibration Date	15-06-2022	
Calibration Due Date (As per	14-06-2023	-
Customer request)		

### **Calibration Certificate of**

#### **MICRO PIPETTE**

Name & Address of Customer	Idontii	Identification on UUC (Unit Under Calibration)		
ESIC MEDICAL COLLEGE AND HOSPITAL, FARIDABAD	Range/ Size	100 - 1000 µl		
NH-3,NIT, FARIDABAD,HARYANA,INDIA-121001	Make / Model No.	GEM		
	Inst. I.D. No./Asset Code.			
	Instrument Sr. No.	41801834		
	Least Count	1 µl		
	Location	Lab		
	Visual Inspection	О.К.		

Calibration Procedure	MACL/H/CP-01 to 25	Condition of In	strumen	nt .	O.K.
Reference Standard		Calibration per			LAB
Environmental Condition	Temperature	25 ± 2°C			
	· sporuture	2012 0	I K	elative Humidity	50 ± 20 % RH

Standard Equipment Used for Calibration					
Instrument Name	Make	I.D No./Sr.No.	Calibrated By	Certificate No.	Due Date
Weight Box	- 1	MACL/M/WTS-01	ACE CALIBRATION AND TESTING LAB	ACTL/A/024/22-01	21-01-2023
Weighing Balance	Amco 🔣	MACL/M/WM-02	Pinpoint Precision Calibration Lab Pvt. Ltd	PPCL/A/2022/007-002	21-01-2023
Weiging Balance	Citizen	MACL/M/WM-01	ACE CALIBRATION AND TESTING LAB	ACTL/A/025/22-01	21-01-2023

#### Calibration Results

Reading (UUC) in μl	Reading (Reference ) in μl	Obeserved Error in μl
100	99.8	0.2
500	499.6	0.4
1000	998.7	1.3

The reported uncertainty stated is the expanded uncertainty of measurement obtained ± 1%. by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence

- 1. This Certificate refers only to the particular items submitted for calibration.
- 2. This Certificate shall not be reproduced except in full without the written permission of C.E.O. Micro Advance Calibration Lab Ghaziabad
- 3. Result Reported are Valid at the of end under the stated conditions of measurement.
- 4. Laboratory Standards are traceable to National Standards.
- 5. Calibration Certificate issue for weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc.for scientific purpose only and should not be used for Trade / Commerical use

**CALIBRATED BY** 

er Sharma Calibration Engineer

APPROVED BY

Mukesh Kumar Shakya Authorized Signatory