



ASIAN TECHNOLOGY

(A HOUSE OF CALIBRATION)



CALIBRATION CERTIFICATE

Customer name And Address	M/S: Shri Mata Sheetla Devi Swarna Jayanti Diagnostic Centre, Hindlabs HLL Lifecare Limited. MCG Engg. Office Building, Sector-39, Jharsa, Gurugram- 122003, Haryana, INDIA.	Service request No. & date	P/04/16/03/22&16/03/2022
		ULR no.	CC223922000001296F
		Cert. No.	AT/22000001296
		Date of Receipt of DUC	16/03/2022
		Date of calibration	16/03/2022
		Date of issue	17/03/2022
		Suggested due date	15/03/2023

Instrument Details			
Instrument name	Micro Pipette	Sr. No.	YEI98AL0530080
Make / Model No.	Dragon Lab	Location	-----
Range / Size	5 to 50 μ l	Accuracy	-----
Least Count	0.1 μ l	Visual Inspection	OK
I.D. No.	HLL/HR55/GGN/PIPT/02		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Dig. Weighing Balance	
Make	Weightronics	Gold line	
Model / SR No.	-----	AT/DWB - 02	
Certificate No.	TYCON/WB/12/274	CC223921000000203F	
Calibration Validity	25/12/2023	03/08/2022	
Calibration by	Tycon Engineering	Asian Technology	

Environmental Condition	Temperature	23 \pm 3 $^{\circ}$ C	Calibration Reference	IS:1997
	Relative Humidity	50 \pm 20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (μ l)	Measured Capacity in (μ l)	Uncertainty At 95% C.L. (coverage factor $k=2$)
01.	10.0	10.02133	$\pm 0.10\mu$
02.	20.0	19.98952	
03.	30.0	29.97514	
04.	40.0	39.96966	
05.	50.0	49.96271	

Remarks:

❖	(1) Standard equipment use for calibration are traceable to national/ international standards.
❖	(2)The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by coverage factor $k = 2$ such that the coverage probability corresponds to approximately 95%.(3)The above results are valid at the time of and under the stated conditions measurement.(4)This certificate is refers only to the particular item submitted for calibration. (5) Next calibration due date given as requested by the customer.

Calibrated By
(Calibration Engg./TM)
(MANIPAL)
Form No.-QF-47

Approved By
(QM/TM)
(NEERAJ TYAGI)
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---End of Report---



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		ULR no.	CC223922000001299F
		Cert. No.	AT/22000001299
		Date of Receipt of DUC	16/03/2022
		Date of calibration	16/03/2022
		Date of issue	17/03/2022
		Suggested due date	15/03/2023

Instrument Details			
Instrument name	Micro Pipette	Sr. No.	YEI95AL0405885
Make / Model No.	Dragon Lab	Location	-----
Range / Size	100 to 1000 µl	Accuracy	-----
Least Count	5 µl	Visual Inspection	OK
I.D. No.	HLL/HR55/GGN/PIPT/06		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Dig. Weighing Balance	
Make	Weightronics	Gold line	
Model / SR No.	-----	AT/DWB - 02	
Certificate No.	TYCON/WB/12/274	CC223921000000203F	
Calibration Validity	25/12/2023	03/08/2022	
Calibration by	Tycon Engineering	Asian Technology	

Environmental Condition	Temperature	23± 3 °C	Calibration Reference	IS:1997
	Relative Humidity	50±20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (µl)	Measured Capacity in (µl)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	100	100.25	±0.46 µl
02.	300	300.56	
03.	500	499.84	
04.	800	798.98	
05.	1000	999.91	

Remarks:

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		ULR no.	CC223922000001309F
		Cert. No.	AT/22000001309
		Date of Receipt of DUC	16/03/2022
		Date of calibration	16/03/2022
		Date of issue	17/03/2022
		Suggested due date	15/03/2023

Instrument Details

Instrument name	Orbital Shaker	S.No.	ZEKS-36658
Make /Model No	Remi/RS-12R	Location	-----
Range / Size	08 to 180 rpm	Accuracy	-----
Least Count	5 rpm	Visual Inspection	OK
I.D. No.	HLL/HR55/GGN/MIX/01		

Detail of reference standards & Major equipments used

Equipment Name	Digital Hand Tachometer		
Make	LT Lutron		
Model / SR No.	A.C92792		
Certificate No.	QCTS/000229/10		
Calibration Validity	21/10/2022		
Calibration by	Quality Calibration Testing Solutions		

Environmental Condition	Temperature	20±2°C	Calibration Reference	IS: 12508
	Relative Humidity	50±10 %	Calibration Procedure	CP-37

Calibration Results

Serial No.	Standard value in (rpm)	Measured value in (rpm)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	41.8	40	±0.20 %rdg
02.	49.2	50	
03.	98.7	100	
04.	118.2	120	
05.	175.9	180	

Remarks:

- ❖ (1) Standard equipment use for calibration are traceable to national/ international standards.
- ❖ (2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by coverage factor k = 2 such that the coverage probability corresponds to approximately 95%. (3) The above results are valid at the time of and under the stated conditions measurement. (4) This certificate is refers only to the particular item submitted for calibration. (5) Next calibration due date given as requested by the customer.

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