KIRLOSKAR TECHNOLOGIES (P) LTD.

(Quality Assessment Services)

Laboratory: D-97- 98, Ground Floor, Lajpat Nagar, Part-1, New Delhi-110024
Phone: 011-35000732-33 E-mail: qad@kirloskarmedical.com
Head office: B-58, Defence Colony, Bhisham Pitamah Marg, New Delhi – 110024 (India)
Regd. office: 306, 3rd Floor, 6/23, Money Chamber, K.H. Road, Bangaluru-560027, Karnatka, India

ktpl
Technology from the frontiers of medical science

Calibration Certificate

Certificate Number:	**NKTPL/CAL/230817/11-1**		**ULR No:**	**N/A**	
Calibration Date:	**17-08-2023**	**Next Recommended Cal. Date:**	**17-08-2024**	**Date of Issue:**	**18-08-2023**
DUC Receipt Date:	**17-08-2023**	**SRF No:**	**NKTPL/CAL/230817/11**	**SRF Date:**	**07-08-2023**

Issued to (Customer Details):- M/S.Capital Hospital
Bhubaneswar,Odisha
Challan/ Reference : ---
Equipment Location: ICTC-2
Challan/ Reference Date :- ---

Details of Equipment /Device Under Calibration(DUC):-

Name of equipment:	Micropipette		
Make:	--	Range/ Size:	20 to 200 ul
Model/ Type:	05061201	Least Count:	1 ul
KTPL Bar Code/Equipment ID:	175654	Serial No.:	--
Condition of DUC:	Satisfactory	Calibrated at (Lab/Site):	Lab

Environmental Conditions During Calibration:

Temperature in (°C):-	20 ± 2 °C	Relative Humidity in (%):-	50 ± 10 %

Calibration Reference standard :

KTPL/CP45-01-00	ISO 8655-1:2002 part 2 and euramate cg-19

Detail of Reference standard Instruments used for Calibration:

Description	Make/Model.	Serial No.	Certificate No.	Cal. Validity
Digital Analytical Balance	A & D/BM-20	T1003047	C-221103-6-2	3-Nov-2023

Visual Inspection of Device Under Calibration :- OK

Calibration/Performance result at 20°C:-

Sr. No.	Parameter	Unit of Measurement	DUC Value	STD Value	Error/ Deviation	Expended Uncertainty of measurement ±(µL)
1	**Volume**	**(µL)**	100	99.685	0.315	0.60
2			150	148.822	1.178	0.60
3			200	198.496	1.504	0.60

Calibrated By : (Ashish Kr Singh)

Santosh Kumar(Technical Manager)
Approved and Released By:

KIRLOSKAR TECHNOLOGIES (P) LTD.

(Quality Assessment Services)

Laboratory: D-97- 98, Ground Floor, Lajpat Nagar, Part-1, New Delhi-110024
Phone: 011-35000732-33 E-mail: qad@kirloskarmedical.com
Head office: B-58, Defence Colony, Bhisham Pitamah Marg, New Delhi – 110024 (India)
Regd. office: 306, 3rd Floor, 6/23, Money Chamber, K.H. Road, Bangaluru-560027, Karnatka, India

ktpl
Technology from the frontiers of medical science

Calibration Certificate

Certificate Number:	**NKTPL/CAL/230817/11-1**	**Date of Issue:**	**18-08-2023**
Calibration Date:	**17-08-2023**	**Next Recommended Cal. Date:**	**17-08-2024**

Note:

1) The Equipment used for calibration of DUC are calibrated and traceable to national / international standards.
2) This Certificate refers to only particular item (s) submitted for the calibration.
3) Kirloskar Technologies (P) Ltd. is not liable for any changes in calibration data due to malfunctioning of standards/ equipment covered by this certifiate after issuance of this certificate
4) The calibration result reported in this certificate are valid at the time of and the stated conditions of measurement.
5) This certificat shall not be reproduced in full/ part without prior permission of kirloskar Technologies (P) Ltd.
6) All Precaution have been taken for any error or omission while calibrating the equipment and issuing its certificate. However Kirloskar Technologies (P) Ltd shall not be liable for any loss or liability that may be arise to any party in this regards.
7) Decision rule: "Pass" indicates measured values are within tolerance limit of accuracy, and,"Fail" indicates measured values are not within tolerance limit of accuracy with considering measurement uncertainty and this clause is applicable only if tolerance limits are provided by the customer or mentioned in Manufacturer specification .

Conclusion/Remarks:

1) **For performance parameter Decision Rule:-** Applicable ☐ Not applicable ☑
2) The Reported Expanded uncertainty of measurement is calculated at approximately 95% confidence level with coverage factor k=2

End of report

Calibrated By : (Ashish Kr Singh)

Santosh Kumar(Technical Manager)
Approved and Released By: