

**KIRLOSKAR TECHNOLOGIES (P) LTD.**  
(Quality Assessment Services)



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**Calibration Certificate**

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<b>Certificate Number:</b> 221028.8.1		<b>ULR No.</b> N/A				
<b>Calibration Date:</b> 28-10-2022	<b>Next Recommended Cal. Date:</b> 28-10-2023	<b>Date of Issue:</b> 30-10-2022				
<b>DUC Receipt Date:</b> 28-10-2022	<b>SRF No.</b> 221028.8	<b>SRF Date:</b> 28-10-2022				
<b>Issued to (Customer Details):-</b> M/s.SDH Pattamundai Kendrapara,Odisha- 754215		Chalan/ Reference : ---				
<b>Equipment Location:</b> Blood Bank		Chalan/ Reference Date :- ---				
<b>Details of Equipment /Device Under Calibration( DUC):-</b>						
<b>Name of equipment:</b> Micropipette	<b>Equipment ID:</b> N/A					
<b>Make:</b> Microlit	<b>Range/ Size:</b> 100-1000 µL					
<b>Model/ Type:</b> ---	<b>Least Count:</b> 1µL					
<b>Serial No.:</b> 10093129	<b>Accuracy / Tolerance:</b> Not provide by Customer					
<b>KTPL Bar Code:</b> 241192	<b>Operational Manual:</b> Not provide by Customer					
<b>Condition of DUC:</b> Satisfactory	<b>Calibrated at (Lab/Site):</b> Lab					
<b>Environmental Conditions During Calibration:</b>						
<b>Temperature in (°C):-</b> 20 ± 2 °C		<b>Relative Humidity in (%):-</b> 50 ± 10 %				
<b>Calibration Reference standard :</b>						
KTPL/CP45-01-00		ISO 8655-1:2002 part 2 and euramate cg-19				
<b>Detail of Reference standard Instruments used for Calibration:</b>						
<b>Description</b>	<b>Make/Model.</b>	<b>Serial No.</b>	<b>Certificate No.</b>	<b>Cal. Validity</b>		
Digital Analytical Balance	A & D/BM-20	T1003047	ITCCS/2021/50936	17-Nov-2022		
<b>Visual Inspection of Device Under Calibration :-</b> OK						
<b>Calibration/Performance result at 20°C:-</b>						
Sr. No.	Parameter	Unit of Measurement	DUC Value	STD Value	Error/ Deviation	Expended Uncertainty of measurement ±( µL)
1)	Volume	( µL)	100	98.90	1.1	3.7
2)			500	499.91	0.09	0.6
3)			1000	999.76	0.24	0.6

*Sarfaraz Ahmad*

Calibrated By : (Sarfaraz Ahmad)



*Santosh*

Approved and Released By: (Santosh Kumar).

# Calibration Certificate

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<b>Certificate Number:</b>	<b>221028.8.1</b>	<b>Date of Issue:</b>	<b>30-10-2022</b>
<b>Calibration Date:</b>	<b>28-10-2022</b>	<b>Next Recommended Cal. Date:</b>	<b>28-10-2023</b>
<b>Note:</b>			
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 calibration.			
3) Kirloskar technologies (p) ltd. is not liable for any changes in calibration data and performance specification on account of malfunctioning of standards/ instruments/equipment covered by this certificate due to damaged caused to it after issuance of this certificate			
4) The calibration result reported in this certificate are valid at the time of and under stated conditions of measurement.			
5) This certificate 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) Equipment is calibrated at points as per customer request. Decision rule: Acceptance where "Pass" indicates measured value is within tolerance limit of accuracy.			
8) " Fail" indicates measured values are not within tolerance limit of accuracy without considering measurement uncertainty and is applicable only if Tolerance limits are provided by the customer or mentioned in Manufacture 'specification .			
<b>Conclusion/Remarks:</b>			
1) Operational manual of Not available Tolerances not provided by the customer:- Decision rule not applicable:			
2) The Reported Expanded uncertainty of measurement is calculated at approximately 95% confidence level with coverage factor k=2			

\*\*End of report\*\*

*Sarfaraz Ahmad*

Calibrated By : (Sarfaraz Ahmad)



*Santosh*

Approved and Released By: (Santosh Kumar).