

RELIABLE TECHNICAL SERVICES

(Division of Reliable Technocare Pvt. Ltd.)

"RELIABLE HOUSE" 497/2834-35, Sant Tukaram Nagar, Pimpri, Pune - 411018. MH, India. Telefax: 020-27421170 Cell: 7774055755, 7774055855, 7774058855, 7774022900 Email: reliable1010@gmail.com/reliabletechnocare@gmail.com

Web.: www.reliable.world



CALIBRATION CERTIFICATE							
1.CUSTOMER	:-	Page No.	;- 1 of 1				
Micropath Laboratory		NABL Accreditation No.	:- CC-2927				
Om Plaza, Konda Lane,		Certificate No.	:- 24.10.07.008				
Laxmipuri,Kolhapur		Date of Received	;- 07.10.2024				
Temperature (°C)	:- 23.7	Date of Calibration	:- 07.10.2024				
Relative Humidity (%RH) :- 49.6	Next Calibration Due On	ı ;- 06.10.2025				
Condition of Item	:- OK	Location of calibration	:- In lab				
Atmospheric Pressure	:- 945.2 mbar	Calibration method No.	:- RTS-WI-19				
		Date of Issue	:- 09.10.2024				
		ULR No.	:- CC292724000009558F				
2. Description of Item	स्था । च स्थापित होते संख्ये						
Name	:- Micropipette	Range	:- 2 to 20 µl				
ld. No	:- NE456446	Resolution	:- 0.1 µl				

3	Detail	οf	Fau	inmant	hazıı	for	calibration

Name

Make

:- WEIGHING BALANCE

Certificate No.

:- 23.10.IH.002

Certified By

:- RTS

ID/Sr. No. Calibration Validity :- RTS-WBL-08 :- 25.10.2024

:- Mechanical Calibration Discipline

Group Mass and Volume-Volume

4 Calibration Posult

n Results :-		m' i		
Volume in	Observed mean volume at 27 °C (ref. Temp)	Systematic Error	Random Error	Expanded Uncertainty ±
μl	μΙ	μl	μl	ul
2.0	2.009	0.009	0.004	0.03
10.0	10.041	0.041	3400	0.2
20.0	20.113	0.113	0.005	0.2
	Volume in μl 2.0 10.0	Volume in Observed mean volume at 27 °C (ref. Temp) μl 2.0 10.0 2.009 10.041	Volume in Observed mean volume at 27 °C (ref. Temp) Systematic Error μl μl μl 2.0 2.009 0.009 10.0 10.041 0.041	Volume in Observed mean volume at 27 °C (ref. Temp) Systematic Error Random Error μl μl μl μl 2.0 2.009 0.009 0.004 10.0 10.041 0.041 0.007

Note:

- 1)The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95% for normal distribution
- This certificate refers only to the particular item submitted for calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Reliable Technical Services, Pune".

6) The Standard used are traceable to National / International Standard

7)Calibration of volumetric measures done by any accred is meant for scientific and industrial purpose only.

Calibrated By

Approved By

SII.

Technical Manager SACHIN A. MHASAWADE

Calibration Engineer

V.Salunke

RF-21, RO





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CAL						

Range

Resolution

1.CUSTOMER Micropath Laboratory Om Plaza, Konda Lane, Laxmipuri,Kolhapur

Temperature (°C) :- 23.5 Relative Humidity (%RH) :- 49.9 :- OK Condition of Item

Atmospheric Pressure

944.5 mbar

:- 1 of 1 Page No.

NABL Accreditation No. :- CC-2927 :- 24.10.07.009 Certificate No. Date of Received :- 07.10.2024

Date of Calibration :- 07.10.2024 Next Calibration Due On :- 06.10.2025 Location of calibration :- In lab

Calibration method No. :- RTS-WI-19 Date of Issue :- 09.10.2024

:- CC292724000009559F ULR No.

:- 100 to 1000

2. Description of Item

:- Micropipette Name ld. No :- YEA17AD00 :- Dragon Lab Make

:- 59873 Sr. No

3.Detail of Equipment used for calibration

Name

:- WEIGHING BALANCE

Certificate No. Certified By

:- 23.10.IH.002 :- RTS

:- RTS-WBL-08 ID/Sr. No. Calibration Validity :- 25.10.2024

:- Mechanical Calibration Discipline

Mass and Volume-Volume

4. Calibratio	n Results :-			field des who is		
Sr.No.	Volume in	Observed mean volume at 27 °C (ref. Temp)	Systematic Error	Random Error	Expanded Uncertainty ±	
	μl	μl	μl	μl	μl	
1	100	100.517	0.517	0.004	1.2	
2	500	502.834	2.834	0.005	1.2	
3	1000	1005.998	5.998	0.007	1.2	
		μl 1 100 2 500	Sr.No. Volume in	Sr.No. Volume in μl Observed mean volume at 27 °C (ref. Temp) Systematic Error μ μl μl 1 100 100.517 0.517 2 500 502.834 2.834	Sr.No. Volume in μl Observed mean volume at 27 °C (ref. Temp) Systematic Error Random Error 1 100 100.517 0.517 0.004 2 500 502.834 2.834 0.005	

1)The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95% for normal distribution

2) This certificate refers only to the particular item submitted for calibration.

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7)Calibration of volumetric measures done by any accredited laborator is meant for scientific and industrial purpose only.

Calibrated By

Calibration Engineer

V.Salunke

RF-21, RO

Approved By

SM.

Technical Manager

SACHIN A. MHASAWADE





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		CALIRDATI	ION CERTIFICA	TE	
1.CUSTON	IED	:- CALIDRATI			
	Laboratory	-	Page No.	:- 1 of 1	
Om Plaza	Konda Lane,		NABL Accreditation No.		
Laxmipuri,			Certificate No.	:- 24.10.07.010	
Temperatu	rolliapui	:- 23.2	Date of Received	:- 07.10.2024	
Polativo L	umidity (%RH)		Date of Calibration	:- 07.10.2024	
Condition		:- 49.4 :- OK	Next Calibration Due On		
	. –		Location of calibration		
Autospile	ic Pressure	:- 944.4 mbar	Calibration method No.		
			Date of Issue	:- 09.10.2024	
2 Doscrin	tion of Item	2470	ULR No.	:- CC29272400	0009560F
z. Descrip	tion of item	-2 %			
Name		:- Micropipette	Danas		
ld. No		:- YE206AR	Range	:- 20 to 200	•
Make		:- Dragon Lab	Resolution	:- 1	μl a
Sr. No		:- 0008720			
		. 5555725			
3.Detail of	Equipment us	sed for calibration	17 - 18		
Name		:- WEIGHING BALANCE	A Company of the Company		
Certificate I		:- 23.10.IH.002			
Certified By		:- RTS			
ID/Sr. No.	1 4 2 2 3	- RTS-WBL-08			
Calibration		:- 25.10.2024			
Discipline		:- Mechanical Calibration	Group	14	*
4.Calibrati	on Results	• n ~!	Group	Mass and Volur	me-Volume
Sr.No.	Volume in	Observed mean volume at 27 °C (ref. Temp)	Systematic Error	Random Error	Expanded Uncertainty ±
	μl	μΙ			
1	20	20.102	μΙ	μl	μΙ
2	100	100.688	0.102	0.005	0.2
2	000	100.000	0.688	0.007	

1.393

1)The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95% for normal distribution

This certificate refers only to the particular item submitted for calibration.

201.393

3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.

Calibration point were selected as per customer specifications.

200

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7)Calibration of volumetric measures done by any accredited (APO) atom

Calibration Engineer V.Salunke

Calibrated By

RF-21, R0

is meant for scientific and industrial purpose only.

Approved By

0.007

0.004

SM.

Technical Manager SACHIN A. MHASAWADE



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