



OPTIMA TECHNOCAL SYSTEM

Shyamal Vatika, K-303, Nr. TN Rao Collage, Gangotri Park Road, University Road, RAJKOT-360005 (Guj.)

CALIBRATION CERTIFICATE / PERFORMANCE TEST REPORT



Name of Customer : All India Institute Of Medical Sciences (AIIMS)
 Address : AIIMS Hospital, At. Khandheri, Tal. Paddhari, Rajkot-Jamnagar Highway,
 City/Town/Place : Khandheri Village - Dist. Rajkot (Gujarat)

Name of Equipment : Centrifuge Machine Certificate No.: OTS/CAL/CENT/AIIMS-RJ/2024/001

Calibrated On Date	Calibration Due Recommended	Total Page of Report
11_01_2024	11_01_2025	1

I. Calibrated for : RPM (Revolution Per Minute)

II. Item Description and Identification of Equipement / Instrument / Device :

Nomenclature	Centrifuge Machine	Serial No. (If Any)	ZIIN-38148
Make / Mfg.	REMI	ID. No. (If Any)	N.A.
Model Name / No.	R8C PLUS	Remark /Type (If)	Table Top Digital (Max. 6000 RPM)
Least Count Unit	RPM	Location / Dept.	Movable / MicroBiology Lab
Environment Temp.	25 ± 5 °C	Relative Humidity	Relative Humidity: 40 ± 15%

III. Standard / Master Used : *Traceable to National / International Standards - NABL/IAS/ISO/NMI etc.

Nomenclature OR Make/Model Name	Sr. No. / ID. No. Detail (If any)	Traceability Calib. Done By	Traceability Certi. Detail / Number	Due Date of Calib. / Test
Digital Tachometer (LUTRON)	L162987 (OTS/DTACHOM/01)	ACS - Lab (NABL Certified)	Certi. 230518001 (ACS/109-1/23)	19_05_2024
Digital Timer - Stop Watch	OTS/DTSW/01 (WINNER/105)	UML - Lab (NABL Certified)	Certi. UL/2023/01536	19_05_2025

IV. Result : RPM - Revolution Per Minute

Point No. Set / Sr. No.	Set on Machine (DUC)	Reading on / Displayed on Machine (DUC)	Reading on / Measured on Standard	Error in ± Tolerance / Deviation	Result / Status (Pass / Fail)
	RPM	RPM	RPM	±	Each
1	500	500	503	-3	Within Range
2	1000	1000	1004	-4	Within Range
3	2000	2000	2005	-5	Within Range
4	3000	3000	3005	-5	Within Range
5	4000	4000	4004	-4	Within Range
6	6000	6000	6005	-5	Within Range

Sr. No.	Set on / Reading on Machine (DUC)	Reading on / Measured on Standard	Error in ±	Deviation / Tolerance Acceptable	Result / Status (Pass / Fail)
	Timer - Min:Sec	Timer -	± Min:Sec	%	Each
1	5:00	5:00	0:00	± 3 %	Pass
2	20:00	20:01	0:01	± 3 %	Pass

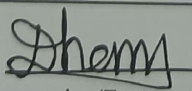
V. Other Details: Accepted Absolute Error ± 05 % RPM Deviation or Tolerance.

- 1) Abbreviations: DUC - Device Under Calibration / UUC - Unit Under Calibration
- 2) The Results, Readings and Values are at time on calibration or testing under stated conditions of Test.
- 3) These Documents are for technical information purpose only. Not for advertisement, litigation of judgement.

Remark: The overall uncertainty is 5% as per manufacturer's specification. Hence confidence level is 95%.

Based on the above result we declare the instrument / device / equipment is as mentioned below:

Final Status of Calibration / Test Performed	:	PASS / OK
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Calibrated/Tested By : 
 --- E.O.C. --- For, Optima TechnoCal System
 ISO 9001 Certified Calibration Laboratory



Calibrators Calibrated Under NABL Laboratory