



# NIIRT – Centre For Calibration, Analysis & Testing

## A Unit of National Institute for Industrial Research & Technology

(Registered with Ministry of MSME, Govt. of India and Dept. of Industries, Govt. of Haryana)



AN ISO/IEC 17025:2017 ACCREDITED LABORATORY BY NABL, A CONSTITUENT BOARD OF QC, GOVT OF INDIA

UIR No. : CC21822350007637F (MECHANICAL - PROCESS & FLOW)

FORM-04.TSD, Version-1.2

### CALIBRATION CERTIFICATE-CUM-REPORT

CCR No.:	C4CAT/2080/ C0846 – MPF (1)	Date of Issue :	26-10-2023	Calibration Completion Date :	26-10-2023	Page no.
SCF No.:	2080/ C0846	Date of Receipt :	26-10-2023	Suggested next Calibration Date :	26-10-2024	1/1

1. Customer Details: Name : M/s Central Ayurveda Research Institute (CARI),  
Address : Moti Bagh Road, Patiala (Punjab) , PIN - 147001

2. IUC Description : Name : RPM (Centrifuge)  
Make : REMI Model : R-8C Serial No. : ZJCN-06191  
Range : 0 to 5250 rpm Resolution : 1 rpm ID/ Location : ZJCN-06191  
Accuracy / Specification : NS

3. IUC Condition and Status : Good & Not Adjusted

4. Standard Equipment used & their Traceability :

Sl.	Name	Identification	Traceable to	Certificate / Report No.	Validity
1.	Digital Tachometer	Kusam – Meco, Km – 2241, Sr. No. 123682, MSP/DTM/01	NABL accredited laboratory Certificate no. CC-2231	TSC/22-23/16758 – 2	14-02-2024

5. Methodology used : SCP-02.MSP

6. Location and Environmental Conditions :  
At-site Temperature : 25±15 °C RH : 50±30 %

7. Calibration Results : Speed

Sl. No.	IUC Reading (rpm)	STD Reading (rpm)	Correction to IUC (rpm)	Uncertainty Rl (% rdg.)
1.	1570	1575	5	±1.0
2.	3050	3057	7	±1.0
3.	5020	5022	2	±1.0

8. Remarks :

- The IUC was calibrated against standard lab instruments the calibration of which is traceable upto national / international standards.
- The quoted uncertainties are expanded uncertainties at coverage factor 'k' = 2, which corresponds to coverage probability of 95.45 % for a normal distribution.
- The calibration results are valid for the particular IUC submitted for calibration identified at sl. no. 2 at the time and under specified environmental conditions of measurement.
- Statement of conformity is mentioned in this report only when requested by the customer in SCF and Measurement Uncertainty is taken into account when the customer asks for.
- No certificate / report will be reproduced, except in full, without written permission of COO, NIIRT-C4CAT.
- For any communication or clarification regarding the services, please write to COO, NIIRT-C4CAT quoting the Service Contract no. along with.
- The calibration certificate not bearing NABL symbol indicates that particular calibration(s) is/are not performed under accredited scope of NABL.
- Abbreviations: CCR - Calibration Certificate -cum- Report, SCF - Service Contract Form, IUC - Instrument Under Calibration, ID: Identification, NS - Not Specified.



Calibrated by

Checked by

Approved by



*Ashutosh Narayan*  
(A. Narayan)  
TECHNICAL MANAGER

*Dr. S.K. Sinha*  
(Dr. S.K. Sinha)  
Director  
NIIRT - C4CAT

COMMITMENT for QUALITY with CONFORMITY