


**CALIBRATION CERTIFICATE**

 CC-3452	<b>SODEXO INDIA SERVICES PRIVATE LIMITED.</b> BISWANATH BUILDING, PLOT NO EN-7, SALT LAKE, SECTOR-V, KOLKATA - 700091.	FM/33 <b>CALIBRATION CERTIFICATE OF:</b> Centrifuge
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CALIBRATION CERTIFICATE NO.: SISPL/MRB/105/11-0005	ULR NO.: CC345222000007559F	Page: 1/1
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1.0 ISSUED TO:	<b>M.R.BANGUR HOSPITAL</b>
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1.1 Service Request / Order No.:	SISPL/MRB/105/11-22
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1.2 Description identification of item to be calibrated:					
i	Name:	CENTRIFUGE	ii	Code No.:	2270012720
iii	Sl. No.:	ZHDN-14203	iv	Make:	REMI
v	Model / Type No.:	C-854/8	vi	Range:	3500 RPM
vii	Sensor:	----	viii	Resolution:	--
ix	Location:	BLOOD CENTRE(COMPONENT ROOM)			

1.3 Applicable specification of item to be calibrated: Accuracy / permissible limit:	Not Specified
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1.4 Date of receipt of item:	25-11-2022	1.5 Date of calibration:	25-11-2022
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1.6 Recommended date for next calibration:	25-11-2023	1.7 Frequency of calibration:	12 months
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1.8 Environmental condition during calibration	Temperature:	25.2 °C
	Humidity:	60 %RH

1.9 Basis of calibration:	S.O.P Number	SOP/ AC & SP/01	
	Standard Followed	TR 45-01 & TR 45 -02 (Sanas)	
	Description of Method	Using Digital Tachometer by Comparison Method.	

2.0 Traceability : Standards Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025 Accredited Laboratory.

Sl. No.	Name of the standard instrument used (Sl. No./Code Nos.)	Range	Resolution	Recommended date for next calibration	Traceable to / Certificate Nos.
1	Digital Tachometer Make:Kusam- Meco,Model:KM2234BL, S/n:S1177464,	Non-contact:5 rpm to 99999rpm	0.1 rpm upto 999.9rpm and 1 rpm above 1000rpm	05-11-2023	Sodexo/ SISPL-INHOUSE-09-22-DT- 01
2	Digital Thermohygrometer Make:-- Code:1931010037	(-)10 to 50 °C & 20 to 95% RH	0.1 °C & 1 % RH	27-11-2022	TransCal TSC/21-22/11505-7

**CALIBRATION RESULT**


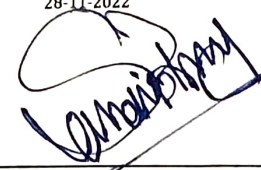
Parameter / Range	Nominal Value on DUC (rpm) Knob Set	Satandard Value (rpm)	Error (rpm)	Expanded Uncertainty (±) (rpm)	k factor
Rotational speed Cal upto 3054 rpm	1	1164	--	10	2
	2	1845	--	40	2
	3	2236	--	40	2
	4	2576	--	40	2
	5	3054	--	40	2

- Note: i) Average of 5 readings had been taken in DUC/STD.
- ii) The calibration certificate is issued by Sodexo India Services Private Limited. This certificate refers only for the particular item submitted to calibrate.
  - iii) The certificate if produced for any purpose commercial or otherwise, should be reproduced in full. Partial production of the certificate or an abstract thereof has to be got specifically approved from the technical and the quality manager of this lab.
  - iv) The results in the calibration certificate are valid at the time of and under the stated conditions on measurement.
  - v) The calibration result is only to be used for scientific & industrial purpose. This result can not be used for commercial purpose.
  - vi) Satisfactory calibration report is no way implies that the equipment calibrated is approved by NABL.
  - vii) Error if any, in this certificate shall be brought to notice within 45 days from the date of this certificate.

**Measurement uncertainty at approx 95 % of confidence level & at a coverage factor : As Per Calibration Result**

Remarks: Statement of conformity not mentioned.

DUC- Device Under Calibration	F.S.-Full Scale	Physical status of the DUC: OK
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Calibrated by <b>Chiranjit Das</b> Date: 25-11-2022 Report Issue Date: 28-11-2022 	Checked & Approved by: <b>Sandip Roy</b> Date: 28-11-2022 
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