

CALIBRATION CERTIFICATE

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CERTIFICATE NO: SBS/SRF/21-22/02866		DISCIPLINE	MECHANICAL
Issue date	28.06.2021		
SRF No & Date	0095-001 & 28.06.2021		
Receipt Date	28.06.2021		
Calibration Date	28.06.2021		
Calibration Due	27.06.2022		

Customer Name & Address

SURIYAA DIAGNOSTIC CENTRE,
LAIYUR, CHENNAI.

Details of Device Under Calibration (DUC)

Description	Centrifuge	Make & Model	REMI & C-854/8
Range	3500RPM	Sr. No	ZGKN-26720
Least Count	1RPM	Identification No	NA
DUC Condition	Satisfactory	Location	LAB

Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 25.2° C	Relative Humidity	52% Rh
Calibration Procedure No	SBS-MP-04	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LUTRON / Q638380	S00378-01/20-21	04-10-2021

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	RPM
1	700	701.0	1.0	3.76
2	1400	1400	0	5.37
3	2100	2103	3	6.98
4	2800	2801	1	9.30
5	3500	3502	2	11.38

REMARKS

- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated in this certificate relate only to the item calibrated.
- 5.Any correction / Modification in this calibration report kindly inform with in 30 days.
- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.

Calibrated By

S. Lave
(Calibration Engineer)



Authorised Signatory

(Technical Manager)

(Chief Executive)

Registered Office:

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CIN - U29297TN2003PTC051492



Z1 (Rack1, 2, 3, 4) = 1195, 1196, 1195, 1195

Z2 (Rack1, 2, 3, 4) = 1163, 1163, 1163, 1163

Rotor Position correction regarding to the dispensation point = 100

Rotor Position correction regarding to the optical system = -1

Filters wheel correction = 0

Filter 0 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)

Filter 1 = 340 (nm) IT = 500.2 (ms) Ref. IT = 499.7 (ms)

Filter 2 = 405 (nm) IT = 120.3 (ms) Ref. IT = 109.6 (ms)

Filter 3 = 505 (nm) IT = 100.9 (ms) Ref. IT = 97.3 (ms)

Filter 4 = 535 (nm) IT = 93.7 (ms) Ref. IT = 90.6 (ms)

Filter 5 = 560 (nm) IT = 205.8 (ms) Ref. IT = 199.7 (ms)

Filter 6 = 600 (nm) IT = 126.5 (ms) Ref. IT = 124.4 (ms)

Filter 7 = 635 (nm) IT = 109.1 (ms) Ref. IT = 107.5 (ms)

Filter 8 = 670 (nm) IT = 132.1 (ms) Ref. IT = 131.6 (ms)

Filter 9 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)

X - axis = 692314 (x1000 steps)

Y - axis = 447434 (x1000 steps)

Z - axis = 892044 (x1000 steps)

Reaction Rotor = 28098 (x10000 steps)

Filter Wheel = 1589381 (x100 steps)

Dispensing Pump = 801511 (x10000 steps)

Membrane pumps = 131381 (Commutation)

3-way electrovalve = 617726 (Commutation)

Lamp = 705 (Hours)

Biochemical preparation = 89744 (Cycles)

Turbidimetry preparation = 178 (Cycles)

Bi-reagent Biochemical preparation = 12686 (Cycles)

Bi-reagent Turbidimetry preparation = 0 (Cycles)

Pre-dilutions = 0 (Cycles)

Start/End Washes = 6463 (Cycles)

WS Washings = 0 (Cycles)

H2O Washings = 12311 (Cycles)

New Rotor = 865 (Rotors)

Contaminations detected = 14 Contaminations detected

Next Calibration due on - 01/05/2022

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.

A. Prayadharshini

AUTHORISED SIGNATORY

