

KIRLOSKAR TECHNOLOGIES (P) LTD.

(Quality Assessment Services)

Laboratory: D-97- 98, Ground Floor, Lajpat Nagar, Part-1, New Delhi-110024

Phone: 011-35000732-33; E-mail: qad@kirloskarmedical.com

Head Office: B-58, 1st floor, Defence Colony Bhisham Pitamah Marg, New Delhi-110024 (India)

Regd. office: 306, 3rd Floor, 6/23, Money Chamber, K.H.Road, Bangaluru-560027, Karnataka, India



Calibration Certificate					
Certificate Number:	NKTPL/CAL/230814/4-1C	ULR No.:	N/A	Job No.:	NKTPL/CAL/230814/4-1
Calibration Date:	14-08-2023	Next Recommended Cal. Date:	14-08-2024	Date of Issue:	02-09-2023
DUC Receipt Date:	14-08-2023	SRF No.:	NKTPL/CAL/230814/4	SRF Date:	14-08-2023

Issued to (Customer Details):-	M/S Capital Hospital Bhubaneswar Odisha-751020	Challan/Reference: As per schedule.
		Challan/Reference Date: 14-08-2023

Detail of Equipment /Device Under Calibration(DUC):-			
Name of equipment:	Knob type Centrifuge	Location:	ICTC 2
Make:	Remi	Range/ Size:	3500 RPM
Model/ Type:	N/A	Least Count:	NA
KTPL Bar Code/Cust. ID:	175653	Serial No.:	N/A
Condition of DUC:	Ok	Calibrated at (Lab/Site):	Site

Environmental Conditions During Calibration:			
Temperature in (°C):-	(25±4)°C	Relative Humidity in (%):-	(60 ± 20)%

Calibration Reference standard:	
(KTPL/CP-48)	(SANS TR 45-02)

Detail of Master Instruments used for Calibration:					
Description	Make/Model	Serial No.	Certificate No.	Calibrated By	Cal. Validity
Digital Hand Tachometer	Line Seiki/TM-5010	18Z-0040V	AACPL/18293F	AA CALIBRATION PVT. LTD	07-09-2023

Visual Inspection of Device Under Calibration :- OK

Calibration/Performance result :-						
Sr. No.	Parameter	Unit of Measurement	DUC Value	STD Value	Error/Deviation	Expanded Uncertainty of Measurement
1.	Non-Contact Mode Speed	RPM	Knob 1	811.3	--	± 2.32 %
			Knob 4	2397.6	--	± 2.32 %
			Knob 5	3207.4	--	± 2.32 %

Note:

- 1) The Equipment used for calibration of DUC are calibrated and traceable to national / international standards.
- 2) This Certificate refers to only particular item(s) submitted for the calibration.
- 3) Kirloskar Technologies (P) Ltd. is not liable for any changes in calibration data due to malfunctioning of Master / Equipment covered by this certificate after issuance of this certificate.
- 4) The calibration result reported in this certificate are valid at the time of and the stated conditions of measurement.
- 5) This certificate shall not be reproduced in full/ part without prior permission of kirloskar Technologies (P) Ltd.
- 6) All Precaution have been taken for any error or omission while calibrating the equipment and issuing its certificate. However Kirloskar Technologies (P) Ltd shall not be liable for any loss or liability that may be arise to any party in this regard.
- 7) Decision rule: "Pass" indicates measured values are within tolerance limit of accuracy, and,"Fail" indicates measured values are not within tolerance limit of accuracy with considering measurement uncertainty and this clause is applicable only if tolerance limits are provided by the customer or mentioned in Manufacturer specification.

Conclusion/Remarks:

Calibrated By: SAMBIT KUMAR BARIK
(Calibration Engineer)



Approved and Released By : SANTOSH KUMAR
(Technical Manager)

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- 1) For performance parameter Decision Rule:- Applicable Not Applicable ✓

For Electrical Safety decision rule applicable as per ISO/IEC 60601-1/62353

- 2) The Reported Expanded uncertainty of measurement is calculated at approximately 95% confidence level with coverage factor k=2

****End of Report****

Calibrated By: SAMBIT KUMAR BARIK
(Calibration Engineer)



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(Technical Manager)