ALPHA ENTERPRISES

No. 785, HARSHAKUTIRA, 4th Main, 3rd Cross, Patel Venkataswamy Road, Subbaianapalya, Bangalore-560 033 Phone: 25456775 Mob: 9448240270

Email: alpha_ent23@yahoo.in GSTIN: 29ADWPV0639H1ZR

CALIBRATION CERTIFICATE

CERTIFICATE: No.125-01/21

DATE: 17/02/2022

CUSTOMER: - M/S POOJA DIAGNOSTICS

8, ABOVE CANARA BANK, 80FT ROAD, CHANDRA LAYOUT, BENGALURU-560040.

DESCRIPTION OF ITEM: CENTRIFUGE

MODEL: R8C

SL.NO: BELC-2427

RANGE: 0 TO 5200 RPM

DETAILS OF EQUIPMENT FOR CALIBRATION

SI.No.	Description	Certified By	Certificate No.	Validity
1.	DIGITAL TACHOMETER	ELECTRONICS REGIONAL TEST LABORATORY KOLKATA	ERTL(E)/CAL/A348/0077/12- 21/ NABL	03/01/2023

OBSERVATIONS

SI.No.	INSTRUMENT SPEED DISPLAYED RPM	SPEED READING ON DIGITAL STROBOSCOPE	DIFFERENCE IN ACTUAL & STROBOSCOPE	REMARKS
1	1600	1640	40	OK
2	2500	2520	20	OK
3	3900	3930	30	OK
4	5200	5230	30	OK

NEXT CALIBRATION: 16/02/2023

REMARKS: 1) CALIBRATION TRACEABLE TO NATIONAL STANDARDS

2) OVERALL DEVIATIONS IS WITHIN SPECIFIED ACCURACY

(+) OR (-) 5%. HENCE, INSTRUMENT IS O.K.

3) RESULTS ARE RELATED ONLY TO THE ITEM CALIBRATED

CALIBRATED BY:

SERVICE ENGINEER

avan

ALPHA ENTERPRISES

No. 785, HARSHAKUTIRA, 4th Main, 3rd Cross, Patel Venkataswamy Road, Subbaianapalya, Bangalore-560 033 Phone: 25456775 Mob: 9448240270

Email: alpha_ent23@yahoo.in GSTIN: 29ADWPV0639H1ZR

CALIBRATION CERTIFICATE

CERTIFICATE: No.125-02/21

DATE: 17/02/2022

CUSTOMER: - M/S POOJA DIAGNOSTICS

8, ABOVE CANARA BANK, 80FT ROAD, CHANDRA LAYOUT, BENGALURU-560040.

DESCRIPTION OF ITEM: CENTRIFUGE

MODEL: R8C

SL.NO: EGLC-6659

RANGE: 0 TO 5200 RPM

DETAILS OF EQUIPMENT FOR CALIBRATION

SI.No.	Description	Certified By	Certificate No.	Validity
1.	DIGITAL TACHOMETER	ELECTRONICS REGIONAL TEST LABORATORY KOLKATA	ERTL(E)/CAL/A348/0077/12- 21/ NABL	03/01/2023

OBSERVATIONS

SI.No.	INSTRUMENT SPEED DISPLAYED RPM	SPEED READING ON DIGITAL TACHOMETER	DIFFERENCE IN ACTUAL & TACHOMETER	REMARKS
1	1500	1520	20	OK
2	2400	2430	30	OK
3	3800	3820	20	OK
4	4600	4640	40	OK

NEXT CALIBRATION: 16/02/2023

REMARKS: 1) CALIBRATION TRACEABLE TO NATIONAL STANDARDS

2) OVERALL DEVIATIONS IS WITHIN SPECIFIED ACCURACY

(+) OR (-) 5%. HENCE, INSTRUMENT IS O.K.

3) RESULTS ARE RELATED ONLY TO THE ITEM CALIBRATED

BANGALORE

CALIBRATED BY:

SERVICE ENGINEER

भारत सरकार इलेक्ट्रॉनिकी और सुचना प्रौद्योगिकी मंत्रालय एस टी क्यू सी निदेशालय

इलेक्ट्रॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पूर्व)



Government of India Ministry of Electronics & Information Technology STOC Directorate

ELECTRONICS REGIONAL TEST LABORATORY (EAST) Kolkata

CALIBRATION CERTIFICATE OF: DIGITAL TACHOMETER

PAGE 01 OF 4

SCOPE 1.0

Service Request No. 1.1

: CA/0003/12-21

1.2 Calibration Certification No. : ERTL(E)/CAL/A348/0077/12-21 /NABL

Date: 05-01-2022

ULR No.

: CC200822000000001F

1.3 Requested by **ALPHA ENTERPRISES**

(Name & address

NO.785, HARSHAKUTIRA, 4th MAIN, 3rd CROSS, .PATEL

VENKATASWAMY RD, SUBBAIANAPALYA,

of the organisation)

BANGALORE-560033

KARNATAKA

Description 1.4

Item

: DIGITAL TACHOMETER

Identification

Make

: SYSTEMS

of the item to be calibrated Model sl.No.

HTM-590 : 17-979

ld No.

NIL

Dimension

NIL

Condition

1.4.1 Applicable Specification Characterisation and 1.4.2

Characterisation

Not mentioned

condition of item

Not applicable/ Satisfactory

1.5 Date of receipt of item 07-12-2021

1.6 Date of start of calibration 03-01-2022

03-01-2022

1.6.1 Date of completion of calibration Location where calibration performed 1.7

IN HOUSE

1.8 Ambient condition during measurement

25+/-3°C

45-70 %RH

Discipline (NABL) 1.9

: MECHANICAL DISCIPLINE

Calibration procedure followed 1.9.1

: EP15/OPN028

1.9.2 Details of non standard method followed (if any):

Measurement

: The uncertainty figure is stated in the result.

Uncertainty

1.11 Traceability : NPL,NEW DELHI,

The following Standards / Equipment have been used.

EQPT_NO

ITEM

MAKE

MODEL

CAL.VALID UPTO

1487

1.10

TACHOMETER

LUTRON

DT-2236

08-11-2022

भारत सरकार इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय एस दी क्यू सी निदेशालय

इलेक्ट्रॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पूर्व)

Government of India
Ministry of Electronics & Information Technology
STQC Directorate
ELECTRONICS REGIONAL TEST LABORATORY (EAST)

Kolkata

Page 2 of 4

					Page 2 of 4
CALIBRATION CERTIF	ICATE NO :			ERTL(E)/CAL/A348/ 0077/12-21/NABL
CALIBRATION CERTIFICATE OF:				DATE	CALIBRATION ENGINEER
	DIGIT	AL TACHOME	TER		
MAKE/MODEL : SYSTEMS / HTM-590				03-01-2022	P.DHABAL
SL. NO : 17-979					
JOB NO:	0077/12-21/NABL	ID. No.:	NIL		
Range: 100.0 to 6000rpm.			Resolution: 0.1/1 rps	m.	Accuracy : Not specified.
TEST CONDITION:	Amb. Temp. 25.0 °C	Rela	ative Humidity 45 %		

MECHANICAL DISCIPLINE

Measu	rement:	- Administration - American			
SI No	Set Value	Standard Value	*Measured Value	Expanded Uncertainty	Remarks
	in r.p.m.	in r.p.m	on DUC in r.p.m	at 95% CL & k=2 in % rdg.	
1	100.0	100.1	99.9	0.26	
2	500.0	500.4	500.0	0.26	Calibrated upto 6000
3	1000.0	1002	1001	0.26	Tpm.
4	2000.0	1999	2000	0.26	
5	3000.0	2999	3000	0.26	
6	4000.0	3998	4000	0.26	
7	5000.0	5000	5001	0.26	
8	6000.0	6000	5999	0.26	

Date:

03-01-22

ized Signatory

Paresh Dhabal
Scientist 'C'
STQC, ERTL (E)
Govt of India, Min. of Electronics & IT
Biock-DN, Sector-V, Salt Lake, Kofkata-81

भारत सरकार इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय

एस टी क्यू सी निदेशालय

इलेक्ट्रॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पूर्व)

Government of India
Ministry of Electronics & Information Technology
STQC Directorate
ELECTRONICS REGIONAL TEST LABORATORY (EAST)
Kolkata

CALIBRATION CERTIFICATE OF : DIGITAL TACHOMETER

PAGE 3 OF 4

Calibration Certification No.

: ERTL(E)/CAL/A348/0077/12-21 /NABL

Date: 05-01-2022

ULR No.

: CC200822000000001F

3.0 Remarks (if any)

Performance check has been carried out.



4.0 Ref. of sticker alloted

02271

5.0 Next Calibration due date

03-01-2023



भारत सरकार इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय एस दी क्यू सी निदेशालय

इलेक्ट्रॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पूर्व)



Government of India
Ministry of Electronics & Information Technology
STQC Directorate
ELECTRONICS REGIONAL TEST LABORATORY (EAST)
Kolkata

CALIBRATION CERTIFICATE O	F : DIGITAL TACHOMETER	PAGE 4 OF 4
alibration Certification No.	: ERTL(E)/CAL// Date : 05-01-20	A348/0077/12-21 /NABL 022
JLR No.	: CC2008220000	000001F
NOTES		
1. This certificate/ report refer only	to the particular item submitted for	calibration/test.
reproduction of a part, or an abstrataboratory (East). 3.The results reported in the certification.	act thereof, has to be got specially a	r otherwise, should be reproduced in full. The approved from Director, Electronics Regional for and under the stated conditions on
measurement.		
 Calibration need to be done perionly) 	odically to maintain the accuracy of	f the measurement. (in case of calibration rep
	RELEASED BY	Spinnes 12022
	(Signature & Date)	BISWAS
		SHILA BIO Scientist C'Indla Scientist C'Indla Scientist C'Indla ERTL(E), Govt. of Indla DN 63, Sec. V, Kolkata-91