



# MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,  
KOLKATA - 700120, W.B.



CC - 2545

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## CALIBRATION CERTIFICATE OF STOP WATCH

CALIBRATION CERTIFICATE NO.: MTL / SMCH(PPTCT) / R02 / 03 - 23

ULR - CC254523000005249F

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1.0 Service Request No.: MTL / 02F / 03 / 22 - 23

1.1 Issued to: Office of The PPTCT,  
Department of O&G,  
Silchar Medical College & Hospital,  
Silchar, Cachar, Assam - 788014.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Stop Watch	b) Code No.:	PPTCT / SMCH / O &G / SW - 01
	c) Sl. No.:	N.S.	d) Make:	NAKO
	e) Model / Type:	NA - 613D	f) Range:	24 Hour
	g) Sensor:	N.A.	h) Resolution:	As Per Report
	i) End User:	PPTCT	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 02-03-23

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 02-03-23

1.6 Recommended date of next calibration: 01-03-24

1.7 Date of Issue : 04-03-23

1.8 Environmental Conditions During Calibration: Temperature: 30 °C ± 10 °C  
Humidity: < 80 % RH

1.9 Method of Calibration: MTL / ET / 42 & MTL / ET / CAL / 01

### 2.0 Traceability :

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b) The following standards / Equipment have been used.

i) Digital Time Calibrator Cal. Certificate No. 2240722 - E01

(NIPL,Thiruvallur)

(Cal. Date: 22/07/22, Due Date: 21/07/23)

### 2.1 Result :

#### Electrotechnical Calibration

Sl. No.	Parameter/ Range	Nominal Value on DUC sec.	Std. Value sec.	Error sec.	Measurement Expanded Uncertainty ± sec.
1.	Time 24 Hour	60.15	59.914	0.236	0.0368
2.		300.22	299.857	0.363	0.1781
3.		600.34	599.869	0.471	0.2362
4.		900.36	899.775	0.585	0.5338
5.		1803	1802.217	0.783	1.2109
6.		2405	2404.039	0.961	1.2574
7.		3608	3606.716	1.284	2.1078
8.		5300	5298.429	1.571	3.5347

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.  
ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.  
iii) Error = DUC Reading - Standard Reading.

DUC - Device Under Calibration    N.S. - Not Specified    N.A. - Not Applicable    Std. - Standard    sec. - Second

Opinions and Interpretations	
Calibrated	√ Accepted / Valid for use
Limited Use	Rejected / Out of use

Calibrated by: *S. Saha*  
Calibration Engineer  
Measure Techno Lab  
Kolkata  
Calibration Engineer

Checked / Approved by:

Quality & Technical Manager  
*S. Pandey*