



# Asian International

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(A HOUSE OF CALIBRATION & THERMAL MAPPING)



CERTIFICATE NO. CC-3171

## Calibration Certificate

Format No. AI/FC/05		Page No. 01 of 01			
<b>Customer Name &amp; Address:</b>		Dr. Singh Path Lab, Shop No. 1572/b, D.A.V. School Road, Near Coop Bank, Ropar, Punjab			
<b>Certificate No.</b> AI/2021/00319		<b>ULR No.</b> CC317121000000319F			
<b>Details of UUC/Nomenclature</b>					
<b>Instrument Name:</b> Centrifuge M/C		<b>Range:</b> 500 to 3000 rpm			
<b>Make:</b> Laby		<b>Least Count:</b> 250 rpm			
<b>Model:</b> --		<b>Accuracy:</b> N/A			
<b>Serial Number:</b> --		<b>Visual Inspection:</b> Ok			
<b>I.D. Number:</b> SPL/CM-01		<b>Zero Error:</b> N/A			
<b>Location:</b> Lab					
<b>Reference Standard:</b> IS: 12508					
<b>Calibration Procedure:</b> AI/MCP/18					
<b>Calibrated At (Lab/Site):</b> Site		<b>Date of Receipt of Calibration Item(s):</b> 24.02.2021			
<b>Details of Master/Reference Instruments Used</b>					
Instrument/ Equipment Name	Make/ Model	Serial Number	Calibration Certificate Number	Calibration Validity	Calibrated By
Tachometer	Fluke/--	42980149 / AI/TM/01	CC300320000000197F	24.08.2021	QTEX Calibration

Discipline & Group: Mechanical (Speed & Acceleration)

### Calibration/Test Results

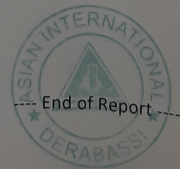
SL. No.	UUC Avg. Reading In (rpm)	Std. Avg. Reading in (rpm)	Uncertainty at 95% C.L (Coverage Factor k=2)
1.	750	750.5	± 6.0 rpm
2.	1000	1025	± 6.97 rpm
3.	1500	1538	± 7.0 rpm
4.	2000	2087	± 7.0 rpm

Environmental Condition		Calibration Date	Due Date	Cert. Issue Date
Temperature	Humidity	24.02.2021	23.02.2022	
20 ± 2 °C	40 to 60 %RH	<b>Service Request No. &amp; Date:</b> 2021/02/030 & 24.02.2021		

**Remarks: -**

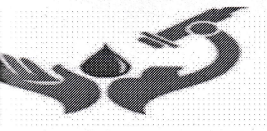
- These results of calibration refer only to the particular item submitted for calibration.
- The above results are valid at the time of and under the stated conditions measurements.
- The report shall not be reproduced except in full without the written approval of Quality Manager/Technical Manager.
- Equipment used for calibration is calibrated & traceable to National & International standards to SI units.

Calibrated by  
(Calibration Engg.)  
Jitendra Tiwari



End of Report

Approved by  
(TM)  
Vinod Tomar



## Clarification

Asian International <asianint2017@gmail.com>

Tue, Mar 23, 2021 at 3:00 P

Dr Gagandeep Singh Kathuria <drgagan@drsinghpathlabs.com>

Dear Sir / Madam

This is your kind information in the calibration certificate of centrifuge machine ID No. SPL/CM-01 calibration results are in two columns one is UUC reading and another is Std. reading, UUC readings are the reading of a test instrument (centrifuge machine having least count 250 rpm) Std. readings are the reading of our master instrument, i.e. Digital Tachometer having Least count 0.01 rpm up to 99.99 rpm and 0.1 rpm is up to 999.9 rpm that's why 750.5 rpm is possible

Dhananjay Yadav

9646059158,9646039158,8284038494

**ASIAN INTERNATIONAL**

We Make Sure..

Behind ICICI Bank

Chandigarh-Ambala Highway

Derabassi, Distt. Mohali, (Pb.) 140507

E-Mail ID : asianint2017@gmail.com

G.S.T. Number : 03ABJFA2144B1Z8

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Format No	QS-22F	Page No. 1 of 2
Certificate No/ULR NO	200808L002	CC300320000000197F
Name and Address of the Client	M/S. Asian International	Service Request No & Date
	Behind ICICI Bank, Chandigarh-Ambala	200808 & 25-08-2020
	Highway Derabassi, Dist-Mohali,	Date of Calibration
	Punjab 140507	25-08-2020
		Calibration Valid Upto
		24-08-2021
		Date of Issue
		26-08-2020
		Calibration Carried Out
		At Lab

### Description of Unit Under Calibration

Name	Tachometer	Least Count	As per Range
Make	Fluke	Accuracy/Acceptance	Not Sepecified
Sr.No	42980149	Visual Inspection	OK
ID.No	AI/TM/01	Zero Error	N/A
Range/Size	As per Instrument	Location	Not Sepecified

### Standard Instrument used for Calibration

Instrument Name	Make	Model/Sr.No	Certificate No	Due Date	Calibrated By
Digital Tachometer	Lutron	---/Q644363	40030592	29.12.2020	Belz

Environmental Condition	Temperature in(°C)	23±2	Calibration Reference Standard	---
	Humidity in(%RH)	40 To 60	Calibration Procedure	QCL/CI(M)-19,20

### Calibration Result

Range	Std. Avg. Reading in (RPM)	UUC Avg. Reading in (RPM)	Error in (RPM)	Uncertainty at 95% Confidence level for a Coverage factor K=2 in (RPM)
Contact Mode ( 10 RPM to 5000 RPM)	10.3	10.4	-0.1	±0.69
	100.4	100.5	-0.1	±1.2
	500.8	500.5	0.3	±1.2
	1001	1001	0	±1.5
	2001	1999	2	±3.1
	5001	5000	1	±3.1

#### Remarks:

#### Notes:

1. This Certificate refers only to the particular item submitted for calibration.
2. This Certificate shall not be reproduced, except in full, without the written permission of chief Executive of Qtex Instruments Pvt. Ltd.,Faridabad
3. Result are valid at the time of and under the stated condition of measurement.
4. Laboratory Standards are traceable to National Standard.
5. Calibration Certificates issued for weight & Measure Parameters i.e Mass,Balance,Volumetric equipment are for scientific purpose only and should not be used for Trade/Commerical use.

Calibrated By

Inderjeet Singh  
(Calibration Engineer)




Approved By

Amita  
Amita Singh  
(Quality Manager)



Format No	QS-22F	Page No.	2 of 2
Certificate No/ULR NO	200808L002	CC30032000000197F	
Name and Address of the Client	M/S. Asian International	Service Request No & Date	200808 & 25-08-2020
	Behind ICICI Bank, Chandigarh-Ambala	Date of Calibration	25-08-2020
	Highway Derabassi, Dist-Mohali,	Calibration Valid Upto	24-08-2021
	Punjab 140507	Date of Issue	26-08-2020
		Calibration Carried Out	At Lab

### Calibration Result

Range	Std. Avg. Reading in (RPM)	UUC Avg. Reading in (RPM)	Error in (RPM)	Uncertainty at 95% Confidence level for a Coverage factor K=2
Non-Contact Mode ( 10 RPM to 100000 RPM)	10.2	10.3	-0.1	±0.69
	100.2	100.6	-0.4	±1.2
	500.6	500.9	-0.3	±1.2
	5000	5002	-2	±2.0
	10000	10002	-2	±2.4
	20001	20004	-3	±3.0
	50001	50006	-5	±4.04
	90002	90007	-5	±4.04

Remarks:

Notes:

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<p>Calibrated By</p>  <p>Inderjeet Singh (Calibration Engineer)</p>		<p>Approved By</p>  <p>Amita Singh (Quality Manager)</p>
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