

## CALIBRATION CERTIFICATE

**Customer Name & Address :** Diagnostica Span  
Ground Floor, Deccan Central,  
No.79, 40th Main, MEI Road, 2nd Stage, Industrial Suburb,  
Yeshwanthpuram, Bangalore-560022

**Customer's Reference:**                      **SRF No.:** 1218                      **Dated :** 19 Apr 2023

Calibration Certificate Number :	Calibrated On	Recommended Calibration Due	Page Number
UC/23/1114-03	01 Mar 2023	28 Feb 2024	1 of 2

ULR No: CC299623000001427F

Date of issue: 21 Apr 2023

### Details of device under calibration (DUC):

<b>DUC</b> : Centrifuge	<b>Calibration Procedure No</b> : UC/CAL/209
<b>Make</b> : Remi	<b>No. of Pages</b> : 2
<b>Model</b> : R-304	<b>DUC Received</b> : NA
<b>SI No.</b> : ZIAN-04554	<b>DUC Condition on receipt</b> : Satisfactory
<b>ID No.</b> : ---	<b>Cal At</b> : Onsite

**Environmental Conditions:**                      **Temperature :** ( 23 ± 5 ) °C, **Relative Humidity :** (40-60) % RH

### Standards used:

Sl. No.	Nomenclature	Make	Sl. No/ ID No	Traceable to/Cert No.	Validity
1	Digital Tachometer	Lutron	Q647706	TransCal / TSC/22-23/14834-1	19 Jan 2024

### Note:

1. The Calibration Certificate relates only to the above DUC
2. Publication or reproduction of this cert in any form other than by complete set of the whole cert & in the language, written, is not permitted without the written consent of Ultracal.
3. Corrections/erasing, invalidate the calibration certificate
4. Calibration of the DUC are traceable to National standards/International Standards
5. Any error in this certificate should be brought to our knowledge within 45 days from the date of this cert.
6. Results Reported are valid at the time of and under the stated conditions of measurements.
7. The usage of NABL Symbol is as per NABL guidelines NABL 133

**Calibrated By**

  
Raja.R

(Calibration Engineer)

**Authorised By**

  
Shreyas.B.V  
(Technical Manager)

Calibration Certificate Number :

UC/23/1114-03

Page No: 2 of 2

ULR No: CC299623000001427F

**Results :**

Sl. No.	DUC Set @	Standard Reading in rpm	Measurement Uncertainty $\pm$ in rpm
1	Level-1	1208	2.9
2	Level-2	2171	4.3
3	Level-3	3478	7.0
4	Level-4	5652	11.3
5	Level-5	7048	14.1

**Conclusion /Remarks:** 1. Measurement uncertainty is at 95% confidence level which corresponds to a coverage factor of  $k = 1.96$

Calibrated By



**Raja.R**  
(Calibration Engineer)

Authorised By



**Shreyas.B.V**  
(Technical Manager)

## CALIBRATION CERTIFICATE

**Customer Name & Address :** Diagnostica Span  
Ground Floor, Deccan Central,  
No.79, 40th Main, MEI Road, 2nd Stage, Industrial Suburb,  
Yeshwanthpuram, Bangalore-560022

**Customer's Reference:**                      **SRF No.:** 1218                      **Dated :** 19 Apr 2023

Calibration Certificate Number :	Calibrated On	Recommended Calibration Due	Page Number
UC/23/1218-02	19 Apr 2023	18 Apr 2024	1 of 2

ULR No: CC299623000001420F

Date of issue: 21 Apr 2023

### Details of device under calibration (DUC):

<b>DUC</b> : Centrifuge	<b>Calibration Procedure No</b> : UC/CAL/209
<b>Make</b> : Remi	<b>No. of Pages</b> : 2
<b>Model</b> : R-8C Plus	<b>DUC Received</b> : 19 Apr 2023
<b>SI No.</b> : ZIDN-18073	<b>DUC Condition on receipt</b> : Satisfactory
<b>ID No.</b> : ---	<b>Cal At</b> : Onsite

**Environmental Conditions:**                      **Temperature :** ( 23 ± 5 ) °C, **Relative Humidity :** (40-60) % RH

### Standards used:

Sl. No.	Nomenclature	Make	Sl. No/ ID No	Traceable to/Cert No.	Validity
1	Digital Tachometer	Lutron	Q647706	TransCal / TSC/22-23/14834-1	19 Jan 2024
2	Stop Watch	Racer	UC/ET-009	Ultracal / UC/23/INT-Et-009	04 Feb 2024

### Note:

1. The Calibration Certificate relates only to the above DUC
2. Publication or reproduction of this cert in any form other than by complete set of the whole cert & in the language, written, is not permitted without the written consent of Ultracal.
3. Corrections/erasing, invalidate the calibration certificate
4. Calibration of the DUC are traceable to National standards/International Standards
5. Any error in this certificate should be brought to our knowledge within 45 days from the date of this cert.
6. Results Reported are valid at the time of and under the stated conditions of measurements.
7. The usage of NABL Symbol is as per NABL guidelines NABL 133

**Calibrated By**

  
Raja.R

(Calibration Engineer)

**Authorised By**

  
Shreyas.B.V

(Technical Manager)



Calibration Certificate Number :

UC/23/1218-02

Page No: 2 of 2

ULR No: CC299623000001420F

**Results :**

Sl. No.	DUC Reading in rpm	Standard Reading in rpm	Observed Deviation in rpm	Measurement Uncertainty $\pm$ in rpm
1	1000	1001	-1	6.3
2	2000	2003	-3	8.0
3	3000	3004	-4	10.2
4	3500	3503	-3	11.3
5	4000	4005	-5	12.6

**Time Verification:-**

Sl. No.	DUC Set in (Hr : min)	DUC Rdg in (Hr : min)	STD Rdg in (Hr : min : Sec)	Deviation Observed In (Hr : min : Sec)
1	00:03	00:03	00:03:01	-'00:00:01
2	00:05	00:05	00:05:04	-'00:00:04
3	00:10	00:10	00:10:06	-'00:00:06
4	00:15	00:15	00:15:09	-'00:00:09

**Note:**

1 Expanded Uncertainty is  $\pm$  0.23 Sec. .

**Conclusion /Remarks:** Measurement uncertainty is at 95% confidence level which corresponds to a coverage factor of  $k = 1.96$

**Calibrated By**



Raja.R

(Calibration Engineer)

**Authorised By**



Shreyas.B.V

(Technical Manager)

## CALIBRATION CERTIFICATE

**Customer Name & Address :** Diagnostica Span  
Ground Floor, Deccan Central,  
No.79, 40th Main, MEI Road, 2nd Stage, Industrial Suburb,  
Yeshwanthpuram, Bengaluru-560022

**Customer's Reference:**                      **SRF No.:** 1218                      **Dated :** 19 Apr 2023

Calibration Certificate Number :	Calibrated On	Recommended Calibration Due	Page Number
UC/23/1218-01	19 Apr 2023	18 Apr 2024	1 of 2

ULR No: CC299623000001419F

Date of issue: 21 Apr 2023

### Details of device under calibration (DUC):

<b>DUC</b> : Centrifuge	<b>Calibration Procedure No</b> : UC/CAL/209
<b>Make</b> : Remi	<b>No. of Pages</b> : 2
<b>Model</b> : R-8C Plus	<b>DUC Received</b> : 19 Apr 2023
<b>SI No.</b> : ZIDN-18052	<b>DUC Condition on receipt</b> : Satisfactory
<b>ID No.</b> : ---	<b>Cal At</b> : Onsite

**Environmental Conditions:**                      **Temperature :** ( 23 ± 5 ) °C, **Relative Humidity :** (40-60) % RH

### Standards used:

Sl. No.	Nomenclature	Make	Sl. No/ ID No	Traceable to/Cert No.	Validity
1	Digital Tachometer	Lutron	Q647706	TransCal / TSC/22-23/14834-1	19 Jan 2024
2	Stop Watch	Racer	UC/ET-009	Ultracal / UC/23/INT-Et-009	04 Feb 2024

### Note:

1. The Calibration Certificate relates only to the above DUC
2. Publication or reproduction of this cert in any form other than by complete set of the whole cert & in the language, written, is not permitted without the written consent of Ultracal.
3. Corrections/erasing, invalidate the calibration certificate
4. Calibration of the DUC are traceable to National standards/International Standards
5. Any error in this certificate should be brought to our knowledge within 45 days from the date of this cert.
6. Results Reported are valid at the time of and under the stated conditions of measurements.
7. The usage of NABL Symbol is as per NABL guidelines NABL 133

**Calibrated By**

  
Raja.R

(Calibration Engineer)

**Authorised By**

  
Shreyas.B.V  
(Technical Manager)

Calibration Certificate Number : UC/23/1218-01

Page No: 2 of 2

ULR No: CC299623000001419F

**Results :**

Sl. No.	DUC Reading in rpm	Standard Reading in rpm	Observed Deviation in rpm	Measurement Uncertainty $\pm$ in rpm
1	1000	1004	-4	6.4
2	2000	2001	-1	8.0
3	3000	3004	-4	10.2
4	3500	3504	-4	11.4
5	4000	4005	-5	12.6

**Time Verification:-**

Sl. No.	DUC Set in (Hr : min)	DUC Rdg in (Hr : min)	STD Rdg in (Hr : min : Sec)	Deviation Observed In (Hr : min : Sec)
1	00:03	00:03	00:03:05	-'00:00:05
2	00:05	00:05	00:05:06	-'00:00:06
3	00:10	00:10	00:10:08	-'00:00:08
4	00:15	00:15	00:15:10	-'00:00:10

**Note:**

1 Expanded Uncertainty is  $\pm 0.23$  Sec. .

**Conclusion /Remarks:** Measurement uncertainty is at 95% confidence level which corresponds to a coverage factor of  $k = 1.96$

**Calibrated By**

**Authorised By**

  
Raja.R

  
Shreyas.B.V

(Calibration Engineer)

(Technical Manager)