



ASIAN TECHNOLOGY

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CALIBRATION CERTIFICATE

Customer Name And Address	M/S: ITRA Clinical Laboratories IT&RA Jamnagar, Gujrat-361008.	Service request No. & date	P/04/01/06/22&01/06/2022
		ULR no.	CC223922000002430F
		Cert. No.	AT/22000002430
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details			
Instrument name	Digital Thermometer	S. No.	21210205
Make / Model No.	Multi- Stem	Location	ITRACL
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DT-01		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator	S Type Thermocouple With Indicator	
Make	Tempens	Tempens	
Model / SR No.	11080368	14340077	
Certificate No.	CC325722000000135F	CC325722000000136F	
Calibration Validity	10/02/2023	10/02/2023	
Calibration by	KL Technology	KL Technology	

Environmental Condition	Temperature	(25±4) °C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

Calibration Results			
Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-10.33	-10.0	±0.3 °C
02.	0.17	0.3	"
03.	50.26	50.3	"
04.	100.43	100.8	"
05.	149.72	150.1	"
06.	199.54	199.9	±1.8 °C
07.	248.2	249.1	"

Remarks:

- ❖ (1) Standard equipment use for calibration are traceable to national/ international standards.
- ❖ (2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by coverage factor = 2 such that the coverage probability corresponds to approximately 95%. (3) The above results are valid at the time of and under the stated conditions measurement. (4) This certificate is refers only to the particular item submitted for calibration. (5) Next calibration due date given as requested by the customer.

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(D.B SAXENA)
Form No.-QF-47



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Certificate No.
CC-2239

CALIBRATION CERTIFICATE

Customer Name And Address	M/S: ITRA Clinical Laboratories IT&RA Jamnagar, Gujrat-361008.	Service request No. & date	P/04/01/06/22&01/06/2022
		ULR no.	CC223922000002431F
		Cert. No.	AT/22000002431
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details

Instrument name	Digital Thermometer	S. No.	21210206
Make / Model No.	Multi- Stem	Location	ITRACL
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DT-02		

Detail of reference standards & Major equipments used

Equipment Name	RTD With Digital Indicator	S Type Thermocouple With Indicator	
Make	Tempsens	Tempsens	
Model / SR No.	11080368	14340077	
Certificate No.	CC325722000000135F	CC325722000000136F	
Calibration Validity	10/02/2023	10/02/2023	
Calibration by	KL Technology	KL Technology	

Environmental Condition	Temperature	(25±4) °C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

Calibration Results

Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-10.22	-9.5	±0.3 °C
02.	0.15	0.2	”
03.	50.27	50.6	”
04.	100.40	100.5	”
05.	149.72	150.0	”
06.	199.52	201.2	±1.8 °C
07.	248.4	250.1	”

Remarks:

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		ULR no.	CC223922000002435F
		Cert. No.	AT/22000002435
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details

Instrument name	Digital Thermometer	S. No.	21210210
Make / Model No.	Multi- Stem	Location	ITRACL
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DT-06		

Detail of reference standards & Major equipments used

Equipment Name	RTD With Digital Indicator	S Type Thermocouple With Indicator	
Make	Tempsens	Tempsens	
Model / SR No.	11080368	14340077	
Certificate No.	CC325722000000135F	CC325722000000136F	
Calibration Validity	10/02/2023	10/02/2023	
Calibration by	KL Technology	KL Technology	

Environmental Condition	Temperature	(25±4) °C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

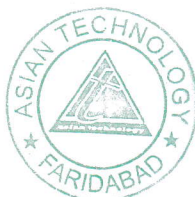
Calibration Results

Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-10.13	-9.6	±0.3 °C
02.	0.10	0.2	"
03.	50.56	49.5	"
04.	100.25	99.3	"
05.	149.45	149.5	"
06.	199.24	200.2	±1.8 °C
07.	248.2	249.1	"

Remarks:

- ❖ (1) Standard equipment use for calibration are traceable to national/ international standards.
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		ULR no.	CC223922000002434F
		Cert. No.	AT/22000002434
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details

Instrument name	Digital Thermometer	S. No.	21210209
Make / Model No.	Multi- Stem	Location	ITRACL
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DT-05		

Detail of reference standards & Major equipments used

Equipment Name	RTD With Digital Indicator	S Type Thermocouple With Indicator	
Make	Tempsens	Tempsens	
Model / SR No.	11080368	14340077	
Certificate No.	CC325722000000135F	CC325722000000136F	
Calibration Validity	10/02/2023	10/02/2023	
Calibration by	KL Technology	KL Technology	

Environmental Condition	Temperature	(25±4) °C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

Calibration Results

Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-10.15	-9.8	±0.3 °C
02.	0.13	0.4	„
03.	50.25	49.5	„
04.	100.54	99.6	„
05.	149.56	149.5	„
06.	199.24	200.2	±1.8 °C
07.	248.4	249.0	„

Remarks:

- ❖ (1) Standard equipment use for calibration are traceable to national/ international standards.
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		ULR no.	CC223922000002436F
		Cert. No.	AT/22000002436
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details

Instrument name	RPM meter	S. No.	ZDLN-35089
Make / Model No.	R-8C	Location	Remi Centrifuge
Range / Size	0 to 6000 rpm	Accuracy	-----
Least Count	1 RPM	Visual Inspection	OK
I.D. No.	-----		

Detail of reference standards & Major equipments used

Equipment Name	Digital Tachometer		
Make	LT Lutron		
Model / SR No.	-----/AC92792		
Certificate No.	QCTS/000229/10		
Calibration Validity	21/10/2022		
Calibration by	QCTS		

Environmental Condition	Temperature	(25±4)°C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

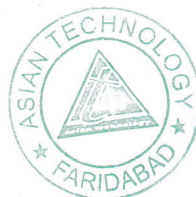
Calibration Results

Serial No.	Standard value in (rpm)	Measured value in (rpm)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	503.5	502	±0.20 %rdg
02.	1002	1000	
03.	2010	2008	
04.	3005	3002	
05.	5009	5005	

Remarks:

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		ULR no.	CC223922000002432F
		Cert. No.	AT/22000002432
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details			
Instrument name	Digital Thermometer	S. No.	21210207
Make / Model No.	Multi- Stem	Location	ITRACL
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DT-03		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator	S Type Thermocouple With Indicator	
Make	Tempsens	Tempsens	
Model / SR No.	11080368	14340077	
Certificate No.	CC325722000000135F	CC325722000000136F	
Calibration Validity	10/02/2023	10/02/2023	
Calibration by	KL Technology	KL Technology	

Environmental Condition	Temperature	(25±4) °C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

Calibration Results			
Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-10.13	-9.4	±0.3 °C
02.	0.12	0.3	”
03.	50.26	49.6	”
04.	100.53	99.4	”
05.	149.57	148.5	”
06.	199.23	201.3	±1.8 °C
07.	248.4	250.2	”

Remarks:

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		ULR no.	CC223922000002433F
		Cert. No.	AT/22000002433
		Date of Receipt of DUC	01/06/2022
		Date of calibration	01/06/2022
		Date of issue	02/06/2022
		Suggested due date	31/05/2023

Instrument Details			
Instrument name	Digital Thermometer	S. No.	21210208
Make / Model No.	Multi- Stem	Location	ITRACL
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DT-04		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator	S Type Thermocouple With Indicator	
Make	Tempsens	Tempsens	
Model / SR No.	11080368	14340077	
Certificate No.	CC325722000000135F	CC325722000000136F	
Calibration Validity	10/02/2023	10/02/2023	
Calibration by	KL Technology	KL Technology	

Environmental Condition	Temperature	(25±4) °C	Calibration Reference	IS:6274 (1971)
	Relative Humidity	(50±20) %	Work Instruction	AT/WI-01TH

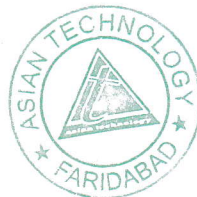
Calibration Results

Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-10.10	-9.6	±0.3 °C
02.	0.11	0.4	”
03.	50.23	49.8	”
04.	100.51	99.6	”
05.	149.54	149.4	”
06.	199.23	200.3	±1.8 °C
07.	248.6	249.2	”

Remarks:

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