



KOMMUNJE HEALTHCARE

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Kommunje House, Manila Village, Post : Murva - 574243 Mob. : 80883 14654

CALIBRATION REPORT

Customer Name : Amrutha Clinical Laboratory
Equipment Name :EM 200 Biochemistry Analyzer
Make :ERBA
Serial Number : B160927
Date of Calibration :24-02-2023

Calibration Due date :24-02-2024

Item to be checked/replace		Check	Comments
DI water Filter	Replace .	<input checked="" type="checkbox"/>	Replaced
Tubing	Replace Laundry dispense tubings	<input checked="" type="checkbox"/>	Replaced
	Replace the Laundry aspiration tubings.	<input checked="" type="checkbox"/>	Replaced
	Replace the detergent tube	<input checked="" type="checkbox"/>	Replaced
	Clean the waste tubings.	<input checked="" type="checkbox"/>	Replaced
Arm assemblies	Clean probes internally/externally	<input checked="" type="checkbox"/>	Checked found OK
	Check the centering	<input checked="" type="checkbox"/>	OK
	Clean troughs / drains/opto coupler assemblies.	<input checked="" type="checkbox"/>	Cleaned
Tray assemblies	Clean optointerruptor& coupler assemblies	<input checked="" type="checkbox"/>	cleaned
	Clean the container assemblies.	<input checked="" type="checkbox"/>	
Detergent Filter	Replace filter	<input checked="" type="checkbox"/>	Replaced
Lamp	Replace	<input checked="" type="checkbox"/>	Replaced
Fuses	Check replace if blown	<input checked="" type="checkbox"/>	Replaced
Laundry Assembly	Clean probes	<input checked="" type="checkbox"/>	Cleaned
	Clean the optos	<input checked="" type="checkbox"/>	cleaned
	Check opto coupler connections	<input checked="" type="checkbox"/>	cleaned
	Clean the dust on shafts	<input checked="" type="checkbox"/>	cleaned
Stirrer assembly	Clean stirrer paddles externally	<input checked="" type="checkbox"/>	cleaned
	Clean stirrer troughs & Drains	<input checked="" type="checkbox"/>	cleaned
	Clean the opto coupler assembly.	<input checked="" type="checkbox"/>	cleaned
	Clean the dust on Shaft	<input checked="" type="checkbox"/>	cleaned
	Check the electrical motor connections.	<input checked="" type="checkbox"/>	Checked
Syringe assemblies	Clean the syringe path	<input checked="" type="checkbox"/>	cleaned - OK
	Clean the opto assembly.	<input checked="" type="checkbox"/>	cleaned - OK
Sampler Rack assembly(XL 1000)	Clean the transport assembly	<input checked="" type="checkbox"/>	
	Check the motor connections	<input checked="" type="checkbox"/>	checked - OK
	Clean opto coupler assemblies.	<input checked="" type="checkbox"/>	cleaned - OK
RCT cuvette ring set	Clean cuvettes.	<input type="checkbox"/>	
	Check the heater/sensor connections.	<input checked="" type="checkbox"/>	Cleaned - 37°C OK
	Clean the opto coupler assembly.	<input checked="" type="checkbox"/>	Cleaned
Reagent cooling assembly	Clean the heat sink	<input checked="" type="checkbox"/>	cleaned - OK
	Clean the Fans	<input checked="" type="checkbox"/>	OK
Purging	Perform Cal A & Cal B purging	<input checked="" type="checkbox"/>	Performed CALA

and purged Found OK

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M:8088314654

Manila Village Post Murva Bandhal
Taluk 574243



AnyScanner



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Item to be checked/replace		Check	Comments
Calibration	Calibrate ISE	<input type="checkbox"/>	NOT Used
Probe wash	Perform probe wash	<input checked="" type="checkbox"/>	Checked -OK

Item to be checked/replace		Check	Comments
Auto wash	Perform Autowash	<input checked="" type="checkbox"/>	OK
Software Adjustment	Check the stirrer centering	<input checked="" type="checkbox"/>	OK
	Check the R1 probe centering	<input checked="" type="checkbox"/>	OK
	Check the R2 probe centering	<input checked="" type="checkbox"/>	OK
	Check the laundry centering	<input type="checkbox"/>	
R1/R2/SPT/probes/troughs	Check the flow of DI water from probes . Clean path if not proper.	<input checked="" type="checkbox"/>	OK
	Check the flow of DI water from troughs adjust if required.	<input checked="" type="checkbox"/>	OK
CPU	Execute scan disk if required	<input checked="" type="checkbox"/>	Done No virus
	Defragmentation HDD if required	<input checked="" type="checkbox"/>	Not required
	Check program version	<input checked="" type="checkbox"/>	OK
Data verification after PM	Check the 1 bar pressure	<input checked="" type="checkbox"/>	OK - Correct
	Check Rct temperature(37°C)	<input checked="" type="checkbox"/>	OK
	Check control material data or sample data	<input checked="" type="checkbox"/>	Done
	Check RGT temperature(below 12°C)	<input checked="" type="checkbox"/>	OK
	Check filter gains/cell blank	<input checked="" type="checkbox"/>	OK Acceptable
Exterior Instrument	Clean Instrument exterior panels. Clean peripheral equipment (Printer monitor trolley etc)	<input checked="" type="checkbox"/>	OK
Operation Review	Operation testing	<input checked="" type="checkbox"/>	OK

1. Backup done
2. Test Laniary Standardization Checked - Passed
3. Checked all the settings
4. Linearity and SD is checked as per calibration of the Equipment

Engineer Name: Pradeep Kumar

Customer Name: Raghavendra Kni'

Signature: *[Handwritten Signature]*

Sign & Stamp :

Date : 24/02/2023

Date 24/02/23

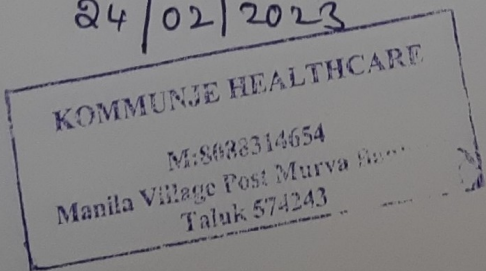
[Handwritten Signature]

AMRUTHA CLINICAL LABORATORY

1st Floor, Shyam Complex

Maruthi Veethika, UDUPI - 576 101

Ph.. 2528417, 2534483, M.. 821 224 87





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Linearity and SD and CV checked

Control: Biorad Lot Number :26490 Expiry :30-11-2023

Parameter: ALT Mean value :26.2 Kit Insert SD :0.726 CV :2.7

Sl No	Values
1	26.9
2	26.5
3	27.1
4	27.3
5	27.4
6	26.8
7	26.5
8	26.4
9	26.8
10	27.2
11	27.1
12	27.3
13	26.6
14	26.8
15	26.7
16	26.9
17	26.9
18	26.8
19	27.1
20	27.0

Calculated Mean:26.91

SD :0.28

CV:1.05

Laniary Check Passed

[Handwritten Signature]
KOMMUNJE HEALTHCARE
02/11/23
Manila Village Post Murva Ban
Taluk 574243





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Kommunje House, Manila Village, Post : Murva - 574243 Mob. : 80883 14654

CALIBRATION REPORT

Customer Name: Amrutha Clinical Laboratory
Equipment Name: CKK LYTE Electrolyte ANALYSER
Make: CKK
Serial Number: CKKL-489
Date of Calibration: 24-02-2023 Calibration Due date: 24-02-2024

1. ISE Electrode condition solution -checked
2. Probe blockage -checked
3. Orings checked - Replaced
4. Peristaltic pump & Valves -Checked and Tubings Replaced
5. Liniarity & Precision Checked - Found Ok

Engineer Name: Pradeep Kumar

Customer Name: Raghavendra Kiri

Signature :

Sign & Stamp :

Date : 24/02/23

Date : 24/02/23

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Manila Village Post Murva
Dist: 574243

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CLINICAL LABORATORY
1st Floor, Shyam Complex
Maruthi Veethika, UDUPI - 576 101
Ph.: 2528417, 2534483, M.: 82772 74957

Linearity and SD and CV checked

Control: Biorad Lot Number :26490 Expiry :30-11-2023

Parameter: Sodium Mean value :143.3 Kit Insert SD :2.01 CV :1.4

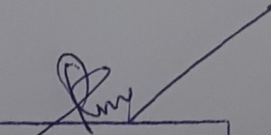
1	143.2
2	142.8
3	142.9
4	143.5
5	143.5
6	142.9
7	142.8
8	143.2
9	143.1
10	143.1
11	142.9
12	143.2
13	142.9
14	142.9
15	143.2
16	143.2
17	143.1
18	143.4
19	143.5
20	143.1

Calculated Mean:143.1

SD :0.23

CV:0.16

Laniary Check Passed


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Manila Village Post Marva District
Telok 574543