



KOMMUNJE HEALTHCARE

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Kommunje House, Manila Village, Post : Murva - 574243 Mob. : 7406031421 , 8088314654

CALIBRATION REPORT

Customer Name : BM lab and Digital X ray

Equipment Name :EM 200 Biochemistry Analyzer

Make :ERBA

Serial Number :NA

Asset ID :BM/BA/01

Date of Calibration :24-03-2023

Calibration Due date :24-03-2024

Item to be checked/replace		Check	Comments
DI water Filter	Replace .	<input checked="" type="checkbox"/>	
Tubing	Replace Laundry dispense tubings	<input checked="" type="checkbox"/>	
	Replace the Laundry aspiration tubings.	<input checked="" type="checkbox"/>	
	Replace the detergent tube	<input checked="" type="checkbox"/>	
	Clean the waste tubings.	<input checked="" type="checkbox"/>	
Arm assemblies	Clean probes internally/externally	<input checked="" type="checkbox"/>	
	Check the centering	<input checked="" type="checkbox"/>	
	Clean troughs / drains/opto coupler assemblies.	<input checked="" type="checkbox"/>	
Tray assemblies	Clean optointerruptor& coupler assemblies	<input checked="" type="checkbox"/>	
	Clean the container assemblies.	<input checked="" type="checkbox"/>	
Detergent Filter	Replace filter		Replaced
Lamp	Replace	<input type="checkbox"/>	NOT Required
Fuses	Check replace if blown	<input type="checkbox"/>	OK
Laundry Assembly	Clean probes	<input checked="" type="checkbox"/>	
	Clean the optos	<input checked="" type="checkbox"/>	
	Check opto coupler connections	<input checked="" type="checkbox"/>	
	Clean the dust on shafts	<input checked="" type="checkbox"/>	
Stirrer assembly	Clean stirrer paddles externally	<input checked="" type="checkbox"/>	
	Clean stirrer troughs & Drains	<input checked="" type="checkbox"/>	
	Clean the opto coupler assembly.	<input checked="" type="checkbox"/>	
	Clean the dust on Shaft	<input checked="" type="checkbox"/>	
	Check the electrical motor connections.	<input checked="" type="checkbox"/>	
Syringe assemblies	Clean the syringe path	<input checked="" type="checkbox"/>	
	Clean the opto assembly.	<input checked="" type="checkbox"/>	
Sampler Rack assembly(XL 1000)	Clean the transport assembly	<input checked="" type="checkbox"/>	
	Check the motor connections	<input checked="" type="checkbox"/>	
	Clean opto coupler assemblies.	<input checked="" type="checkbox"/>	
RCT cuvette ring set	Clean cuvettes.	<input checked="" type="checkbox"/>	
	Check the heater/sensor connections.	<input checked="" type="checkbox"/>	
	Clean the opto coupler assembly.	<input checked="" type="checkbox"/>	
Reagent cooling assembly	Clean the heat sink	<input checked="" type="checkbox"/>	
	Clean the Fans	<input checked="" type="checkbox"/>	
Purging	Perform Cal A &Cal B purging	<input checked="" type="checkbox"/>	

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AnyScanner



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Item to be checked/replace		Check	Comments
Calibration	Call brate ISE	<input checked="" type="checkbox"/>	
Probe wash	Perform probe wash	<input checked="" type="checkbox"/>	

Item to be checked/replace		Check	Comments
Auto wash	Perform Autowash	<input checked="" type="checkbox"/>	
Software Adjustment	Check the stirrer centering	<input checked="" type="checkbox"/>	
	Check the R1 probe centering	<input checked="" type="checkbox"/>	
	Check the R2 probe centering	<input checked="" type="checkbox"/>	
	Check the laundry centering	<input checked="" type="checkbox"/>	
R1/R2/ SPT/probes/troughs	Check the flow of DI water from probes . Clean path if not proper.	<input checked="" type="checkbox"/>	
	Check the flow of DI water from troughs adjust if required.	<input checked="" type="checkbox"/>	
CPU	Execute scan disk if required	<input checked="" type="checkbox"/>	
	Defragmentation HDD if required	<input checked="" type="checkbox"/>	Done for spacing
	Check program version	<input checked="" type="checkbox"/>	checked OK
Data verification after PM	Check the 1 bar pressure	<input checked="" type="checkbox"/>	
	Check Rct temperature(37°C)	<input checked="" type="checkbox"/>	37.2°C
	Check control material data or sample data	<input checked="" type="checkbox"/>	
	Check RGT temperature(below 12°C)	<input checked="" type="checkbox"/>	6-8°C
	Check filter gains/cell blank	<input checked="" type="checkbox"/>	
Exterior Instrument	Clean Instrument exterior panels. Clean peripheral equipment (Printer monitor trolley etc)	<input checked="" type="checkbox"/>	
Operation Review	Operation testing	<input checked="" type="checkbox"/>	

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: Jithendra .

Signature: *Pradeep*

Sign & Stamp : *Jithendra*

Date: 24/3/23

Date: 24/3/23.

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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

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Pass

Verified OK.

