

Calibration Report

Date: 19-05-2022

To,
Focus Diagnostics,
Rajaji Nagar
Bengaluru

Dear Sir,

This is to certify that, the Instrument Model **MINDRAY BA-88A** Semi-Auto Chemistry Analyzer bearing Serial No. **WR/46015206** has been Calibrated and checked with QC and calibrator, control print out is given.

Kindly find attached service report of our Engineer for your reference.

Thanking you and assuring you of our attention & prompt services at all times.

Sincerely,

For Caregenic Medical Services Pvt Ltd



Authorized signatory

Mobile: 9686223574

Identi Assayed Human Sera Level 1 - Normal Control

Cat No: HN1530

Lot No: 1417UN

Expiry: 2023 - 06 - 28

Pack size: 1X5 mL

Normal QC					
Parameter	Method	Mean	Range	1SD	Unit
Glucose	Glucose oxidase	113	96 - 130	8.5	mg/dL
Cholesterol	Cholesterol oxidase	156	136 - 176	10	mg/dL
Triglycerides	Lipase/GPO-PAP, no correction	93.8	78.6 - 109	7.6	mg/dL
HDL-cholesterol	HDL-Ultra	56.4	47.9 - 64.9	4.25	mg/dL
Urea	Urease kinetic	42.9	36.5 - 49.3	3.2	mg/dL
Creatinine	Alkaline picrate-no deproteinization	1.54	1.23 - 1.85	0.16	mg/dL
Uric acid	Uricase peroxidase, with ascorbate oxidase	5.83	5.07 - 6.59	0.38	mg/dL
AST (SGOT)	Tris buffer w/o P5P, 37°C	35	28 - 42	3.5	U/L
ALT (SGPT)	Tris buffer w/o P5P, 37°C	36	29 - 43	3.5	U/L
Alkaline phosphatase	AMP optimised to IFCC 37°C	179	152 - 206	13.5	U/L
Total Proteins	Biuret reaction, end point	5.78	4.63 - 6.93	0.58	g/dL
Albumin	Bromocresol green	4.14	3.52 - 4.76	0.31	g/dL
Total Bilirubin	Diazo, with sulphaniic acid	1.73	1.36 - 2.10	0.37	mg/dL
Direct Bilirubin	Diazo, with sulphaniic acid	1.25	0.989 - 1.51	0.13	mg/dL
Calcium	Arsenazo III	8.86	7.98 - 9.74	0.44	mg/dL
Phosphorus	Phosphomolybdate UV	4.28	3.63 - 4.93	0.33	mg/dL
Magnesium	Xylidyl blue	2.09	1.84 - 2.34	0.13	mg/dL
Amylase	2-chloro-PNPG 3, 37°C	98	83 - 113	7.5	U/L
GGT	Gamma-glutamyl-3-carboxy-4-nitroanilide (IFCC) 37°C	52	44 - 60	4	U/L
LDH-L	L-P IFCC 37°C	213	181 - 245	16	U/L
CK NAC	CK NAC (IFCC) 37°C	186	153 - 219	16.5	U/L
Lipase	Roche colorimetric 37°C	31	25 - 37	3	U/L

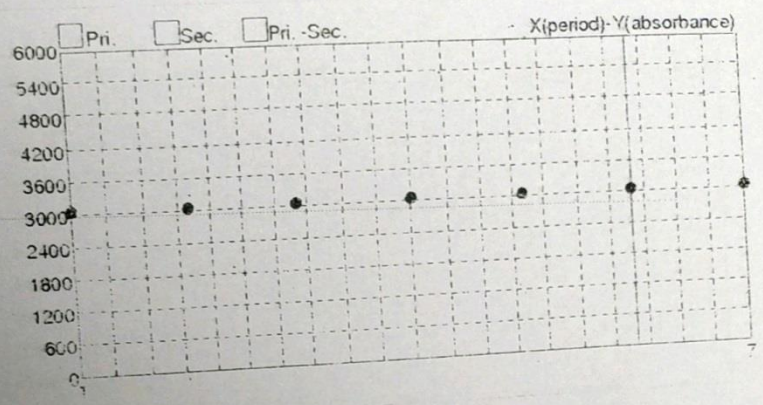
Date: 11.10.2021

Place: Chennai

* PLEASE CHECK OVERLEAF FOR IMPORTANT INSTRUCTIONS

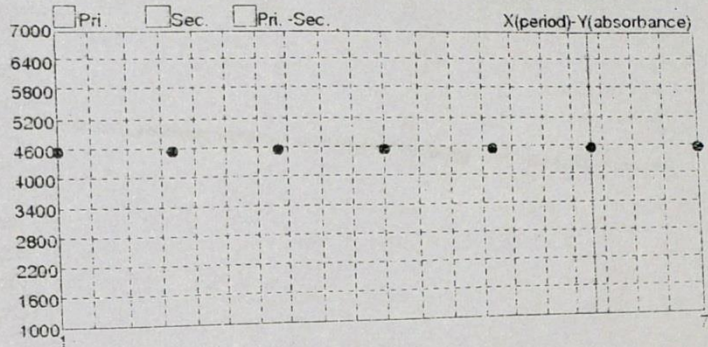
Reac. curve

Test: UA *Uric Acid*
Samp. ID: 2
Reac. Type: Endpoint
Wavelength: 510
Response: 2623
Conc. *6.37*
Test date: 2022-02-08
Print time: 2022-02-08 16:44:42



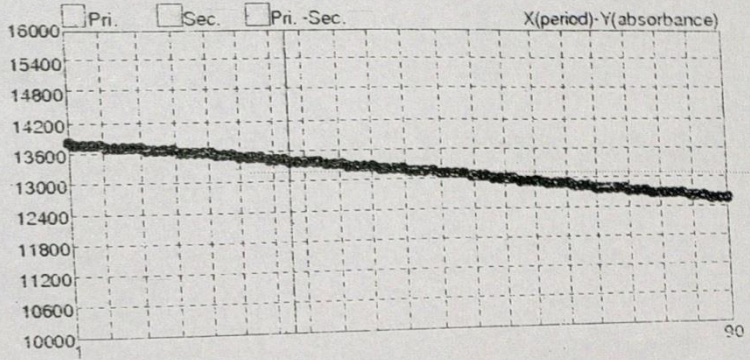
Reac. curve

Test: GLU *glucose*
Samp. ID: 7
Reac. Type: Endpoint
Wavelength: 510
Response: 4351
Conc.: *0.1* 122.29
Test date: 2022-02-08
Print time: 2022-02-08 16:49:19



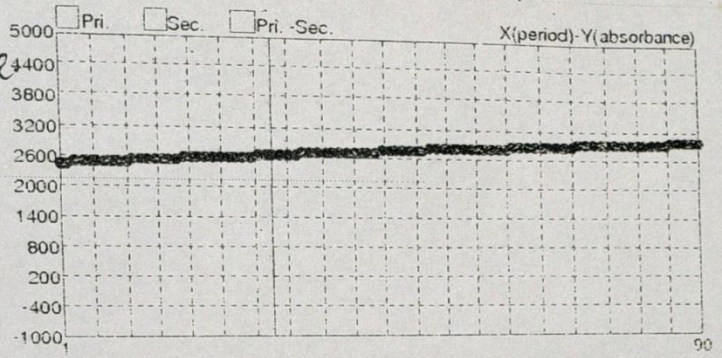
Reac. curve

Test: UREA
Samp. ID: 1
Reac. Type: Fixed-time
Wavelength: 340
Response: -962
Conc. θE 43.2
Test date: 2022-02-08
Print time: 2022-02-08 17:15:24



Reac. curve

Test: CREAT *Creatinine*
Samp. ID: 7
Reac. Type: Fixed-time
Wavelength: 510
Response: 320
Conc.: *QC* 1.4
Test date: 2022-02-08
Print time: 2022-02-08 18:11:14



Performance Qualification

Instrument Type: Semi auto chemistry analyzer	Manufacture Name: Mindray
Model Name: Mindray BA88A	Supplier Name: Caregenic Medical Services Pvt Ltd (formally JS Diagnostics)
Installed On: 27/06/2016	Service Engineer: Jibin Joshi

Performance Verification Report

Name of the Customer: Focus Diagnostics, Rajaji Nagar	Instrument Type: : Semi auto chemistry
Model Number: Mindray BA88A	Serial Number: WR/46015206
Date of receipt: 05/02/2022	Date of Installation: 27/06/2016

Performance Check:

Absorbance Check	OK
Photometer Calibration	OK
Aspiration Pump Check	OK
Printer Check	OK

Operational Qualification

Instrument Type: Semi auto chemistry analyzer	Manufacture Name: Mindray
Model Name: Mindray BA88A	Supplier Name: Caregenic Medical Services Pvt Ltd (formally JS Diagnostics)
Installed On: 27/06/2016	Service Engineer: Jibin Joshi

Operational Verification Report


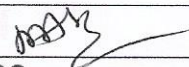
Name of the Customer: Focus Diagnostics, Rajaji Nagar	Instrument Type: Semi auto chemistry
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Date of receipt: 05/02/2022	Date of Installation: 27/06/2016

Operational Check:

Reproducibility Check	OK
Standard Results	OK

Result:

Operational verification of has been completed satisfactorily and it is ready for the performance verification

Operations performed by: Jibin Joshi	Checked by: Sunilkumar
Signature: 	Signature: 
Date : 8-02-2022	Date : 8-02-2022

DEALERS: HEMATOLOGY ANALYZER/BLOOD GAS ANALYSER/ELECTROLYTE ANALYZER/CHEMISTRY ANALYZER AND COMPLETE LABORATORY SERVICE

#1827,1st floor, SVS Arcade, ACES Layout, A Block,Singasandra ,Bangalore-560068
PHONE: 080-25724161, 9740975499, 9611926909

Installation Qualification

Instrument Type: Semi auto chemistry analyzer	Manufacture Name: Mindray
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Operational Verification Report

Instrument Type: Semi auto chemistry	Name of the Customer: Focus Diagnostics, Rajaji Nagar
Serial Number: WR/46015206	Model Number: Mindray BA88A
Date of Installation: 27/06/2016	Date of receipt: 05/02/2022

Power Check:

Power Supply:	OK (234 v)
Earth Voltage	OK (0.02 v)

Physical Check of the equipment


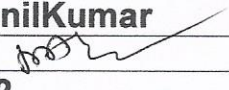
Check for damage	✓	✓
Visual & functional inspection	✓	✓
No damage on internal assembly	✓	✓

System configuration equipment

Positioning of the equipment – flat stable surface	OK	OK
Adequate space around the equipment	OK	OK
Interference to other equipment	OK	OK

Result:

Installed satisfactorily and is ready for operational verification

Installed by: Jibin Joshi	Checked by: SunilKumar
Signature: 	Signature: 
Date: 8-02-2022	Date: 8-02-2022

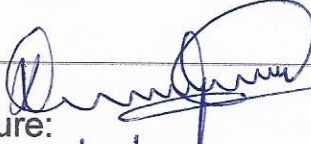
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Result:

The performance verification of has been completed satisfactorily and Instrument is ready to be placed in service.

Performance Check done in presence of : Jibin Joshi	HOD:  Signature: Date: 9/2/22
Performance check by: Sunilkumar	Checked by: Sunilkumar
Date: 8-02-2022	Date: 8-02-2022

Installation, Operational and Performance Qualification Certificate

The equipment Serial is installed and commissioned. The operational and performance verification is done and observations are:

- All system components are working in normal condition
- All tests were carried out in accordance with qualification protocol and standard operating procedure.
- The performance of the is as per the acceptance criteria.

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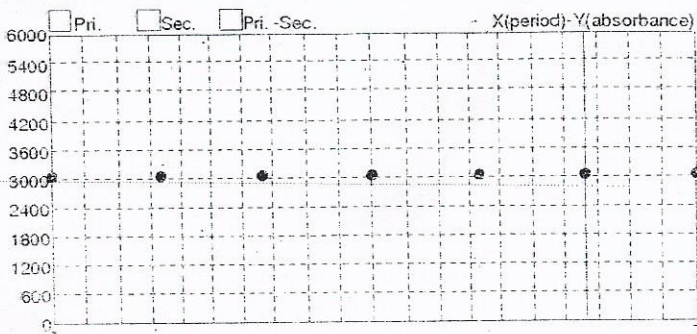
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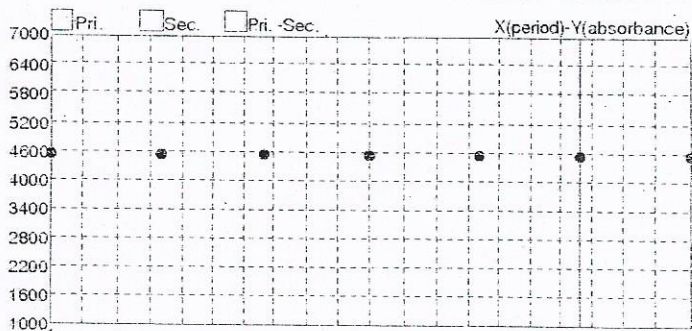
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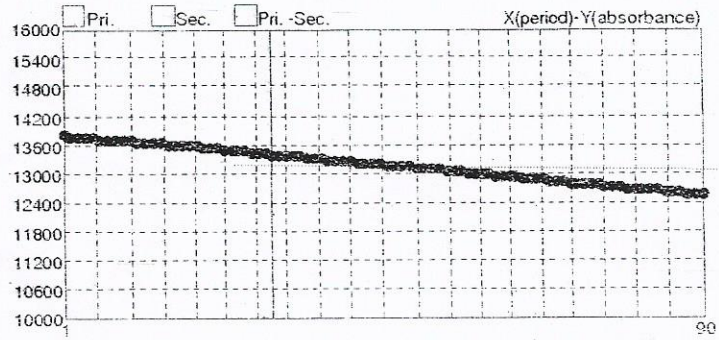
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