



Date: 3-11-2023

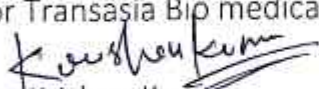
Calibration Certificate

This is to certify that the Fully Automatic Biochemistry Analyzer Erba EM-200
Sr. No.-2002205 Installed at:

GALAXY IMAGING PATH LAB
SEC-7 DWARKA, DELHI-110075

Calibration Done: - 3-11-2023
Calibration Due: - 2-11-2024

Has been fully calibrated and QC have been run and found to be in range.
The calibration data is enclosed.

For Transasia Bio medicals Ltd

Mr. Krishan Kumar
Sr. Service Engineer
Delhi.



Calibration Data

Diffraction Grating Data:				
Sr. No.	Filter	Gain Range	Measured Value	Ok Yes/No
	340	350-900	525	OK
	405	350-900	624	OK
	505	350-900	505	OK
	546	350-900	452	OK
	578	350-900	476	OK
	600	350-900	516	OK
	660	350-900	515	OK
	700	350-900	442	OK
Reagent Tray Temperature:				
		Range	Measured Value	Ok Yes/No
		4 -12 °C	8°C	OK
Reaction Cuvette Tray Temperature:				
		Range	Measured Value	Ok Yes/No
		36.9 -37.1 °C	37.0	OK
Water Pressure:				
		Range	Measured Value	Ok Yes/No
		0.9 - 1.1 bar	1.0 bar	OK
Lamp Voltage:				
		Range	Measured Value	Ok Yes/No
		11.9 - 12.1 v	12.0 v	OK
Cuvette Blank:				
		Range	Measured Value	Ok Yes/No
		0.01 - 0.10	All in Range	OK

For Transasia Bio medicals Ltd
Krishan Kumar
 Mr. Krishan Kumar
 Sr. Service Engineer

GALAXY IMAGING & PATH LAB

A-64,GF,Dwarka,Sec.-7 Near ICICI Bank,Ramphal Chowk,New Delhi-110075

Test Statistics

Test	BIT	Report Type	Patients
Date From	03-Nov-2023	Date To	03-Nov-2023

Sample ID	PREASIOSAN	Patient Name	PREASIOSAN	Age
Sr#	Result Unit	Flag	Result Date	Curve # Used Calibration
1	5.82 mg/dl	H	03-Nov-2023 16:48:19	59698 15-May-2024 15:30:05
2	5.79 mg/dl	H	03-Nov-2023 16:48:01	59697 15-May-2024-15:30:05
	5.86 mg/dl	H	03-Nov-2023 16:47:43	59696 15-May-2024 15:30:05
4	5.83 mg/dl	H	03-Nov-2023 16:47:25	59695 15-May-2024 15:30:05
5	5.90 mg/dl	H	03-Nov-2023 16:47:07	59694 15-May-2024 15:30:05

Computed Ranges And Statistical Values

Reference Range	3
Above Reference Range	6
Below Reference Range	0
Default Range	0
Total Test(s)	9

Sr# From - To -

	5
Mean	5.84
SD	0.04
%CV	0.72
Range	0.11

GALAXY IMAGING & PATH LAB -

A-64,GF,Dwarka,Sec.-7 Near ICICI Bank,Ramphal Chowk,New Delhi-110075

Test Statistics

Test	CA	Report Type	Patients
Date From	03-Nov-2023	Date To	03-Nov-2023

Sample ID	PREASIOSAN	Patient Name	PREASIOSAN	Age
Sr#	Result Unit	Flag	Result Date	Curve # Used Calibration
1	12.0 mg/dl	H	03-Nov-2023 16:52:50	59713 17-May-2024 11:09:30
2	11.8 mg/dl	H	03-Nov-2023 16:52:32	59712 17-May-2024 11:09:30
3	12.3 mg/dl	H	03-Nov-2023 16:52:14	59711 17-May-2024 11:09:30
4	12.1 mg/dl	H	03-Nov-2023 16:51:56	59710 17-May-2024 11:09:30
5	12.0 mg/dl	H	03-Nov-2023 16:51:38	59709 17-May-2024 11:09:30

Computed Ranges And Statistical Values

Reference Range	0
Above Reference Range	5
Below Reference Range	0
Default Range	0
Total Test(s)	5

Sr# From 1 To 5

Mean	12.0
SD	0.18
%CV	1.51
Range	0.5

03-Nov-2023

GALAXY IMAGING & PATH LAB

A-64,GF,Dwarka,Sec.-7 Near ICICI Bank,Ramphal Chowk,New Delhi-110075

Test Statistics

Test	CHOL	Report Type	Patients
Date From	03-Nov-2023	Date To	03-Nov-2023

Sample ID	PREASIOSAN	Patient Name	PREASIOSAN	Age
Sr#	Result Unit	Flag	Result Date	Curve # Used Calibration
1	242 mg/dl	H	03-Nov-2023 16:51:19	59708 15-May-2024 15:39:06
2	241 mg/dl	H	03-Nov-2023 16:51:01	59707 15-May-2024 15:39:06
	240 mg/dl	H	03-Nov-2023 16:50:43	59706 15-May-2024 15:39:06
4	237 mg/dl	H	03-Nov-2023 16:50:25	59705 15-May-2024 15:39:06
5	244 mg/dl	H	03-Nov-2023 16:50:07	59704 15-May-2024 15:39:06

Computed Ranges And Statistical Values

Reference Range	1
Above Reference Range	5
Below Reference Range	0
Default Range	0
Total Test(s)	6

Sr# From - To -

Count	5
Mean	241
SD	2.59
%CV	1.07
Range	7

GALAXY IMAGING & PATH LAB

A-64,GF,Dwarka,Sec.-7 Near ICICI Bank,Ramphal Chowk,New Delhi-110075

Test Statistics

Test	PRO	Report Type	Patients
Date From	03-Nov-2023	Date To	03-Nov-2023

Sample ID	PREASIOSAN	Patient Name	PREASIOSAN	Age
Sr#	Result Unit	Flag	Result Date	Curve # Used Calibration
1	8.78 g/dl	H	03-Nov-2023 16:54:20	59718 17-May-2024 11:11:18
2	8.75 g/dl	H	03-Nov-2023 16:54:02	59717 17-May-2024 11:11:18
	8.77 g/dl	H	03-Nov-2023 16:53:44	59716 17-May-2024 11:11:18
4	8.75 g/dl	H	03-Nov-2023 16:53:26	59715 17-May-2024 11:11:18
5	8.86 g/dl	H	03-Nov-2023 16:53:08	59714 17-May-2024 11:11:18

Computed Ranges And Statistical Values

Reference Range	3
Above Reference Range	5
Below Reference Range	1
Default Range	0
Total Test(s)	9

Sr# From - To -

	5
Mean	8.78
SD	0.05
%CV	0.52
Range	0.11

GALAXY IMAGING & PATH LAB

A-64,GF,Dwarka,Sec.-7 Near ICICI Bank,Ramphal Chowk,New Delhi-110075

Test Statistics

Test	SGOTD	Report Type	Patients
Date From	03-Nov-2023	Date To	03-Nov-2023

Sample ID	PREASIOSAN	Patient Name	PREASIOSAN	Age
Sr#	Result Unit	Flag	Result Date	Curve # Used Calibration
1	139.7 U/L	H	03-Nov-2023 16:46:49	59693 15-May-2024 15:24:40
2	142.2 U/L	H	03-Nov-2023 16:46:31	59692 15-May-2024 15:24:40
	138.4 U/L	H	03-Nov-2023 16:46:13	59691 15-May-2024 15:24:40
4	140.0 U/L	H	03-Nov-2023 16:45:55	59690 15-May-2024 15:24:40
5	142.4 U/L	H	03-Nov-2023 16:45:37	59689 15-May-2024 15:24:40

Computed Ranges And Statistical Values

Reference Range	3
Above Reference Range	6
Below Reference Range	0
Default Range	0
Total Test(s)	9

Sr# From - To -

	5
Mean	140.5
SD	1.72
%CV	1.22
Range	4.0

03-Nov-2023

GALAXY IMAGING & PATH LAB

A-64,GF,Dwarka,Sec.-7 Near ICICI Bank,Ramphal Chowk,New Delhi-110075

Test Statistics

Test	UREA	Report Type	Patients
Date From	03-Nov-2023	Date To	03-Nov-2023

Sample ID	PREASIOSAN	Patient Name	PREASIOSAN	Age
Sr#	Result Unit	Flag	Result Date	Curve # Used Calibration
1	101.9 mg/dl	H	03-Nov-2023 16:49:49	59703 15-May-2024 15:31:53
2	101.6 mg/dl	H	03-Nov-2023 16:49:31	59702 15-May-2024 15:31:53
	105.1 mg/dl	H	03-Nov-2023 16:49:13	59701 15-May-2024 15:31:53
4	102.1 mg/dl	H	03-Nov-2023 16:48:55	59700 15-May-2024 15:31:53
5	103.3 mg/dl	H	03-Nov-2023 16:48:37	59699 15-May-2024 15:31:53

Computed Ranges And Statistical Values

Reference Range	0
Above Reference Range	5
Below Reference Range	0
Default Range	0
Total Test(s)	5

Sr# From 1 To 5

	5
Mean	102.8
SD	1.44
%CV	1.40
Range	3.5

TRACEABILITY

XL MULTICAL
Product Code: XSYS0034
Lot: 2206133A

Analyt	Reference Methods / Reference Material	Calibrator value	Uncertainty ¹	Unit
Albumin	CRM 470	3.52	0.044	g/dl
ALP	Original formulation IFCC	262	1.59	U/l
ALT/SGPT	Original formulation IFCC (1985)	88.8	1.24	U/l
AST/SGOT	Original formulation IFCC (1985)	100	0.86	U/l
Amylase	Original formulation IFCC (1998)	184	1.68	U/l
Bilirubin Direct (Walter & Gerarde)	Reference method accor. Jendrassik-Gróf	2.13	0.012	mg/dl
Bilirubin Direct (DCA)	Reference method accor. Jendrassik-Gróf	2.29	0.013	mg/dl
Bilirubin Total (Walter & Gerarde)	Reference method accor. Jendrassik-Gróf	4.54	0.095	mg/dl
Bilirubin Total (DCA)	Reference method accor. Jendrassik-Gróf	4.30	0.090	mg/dl
Calcium	Atomic absorption	10.3	0.064	mg/dl
Chloride	Coulometrie	100	4.64	mmol/l
Cholesterol	ID-MS	155	1.61	mg/dl
CK	Original formulation IFCC (1991)	333	1.82	U/l
CK MB	Original formulation IFCC with immunoinhibition (2002)	429	23.2	U/l
Creatinine (Jaffé)	ID-MS	3.91	0.038	mg/dl
Creatinine (Enz.)	ID-MS	3.84	0.037	mg/dl
GGT	Original formulation Persijn v.d. Silk (1976)	111	1.05	U/l
Glucose	ID-MS	200	1.57	mg/dl
LDH-P	Reference method	517	3.83	U/l
Lipase	Original formulation IFCC	99.4	1.88	U/l
Magnesium	Atomic absorption	2.72	0.021	mg/dl
Phosphorus	Primary reference material	5.49	0.057	mg/dl
Total Protein	SRM 927e	5.04	0.044	g/dl
Triglycerides (single reagent)	SRM 909c	141	1.37	mg/dl
Triglycerides (two reagents)	SRM 909c	140	1.36	mg/dl
Urea	SRM 909c	100	1.04	mg/dl
Uric Acid	ID-MS	5.43	0.034	mg/dl

Date: 05.12.2022

- ¹ Expanded uncertainty, k = 2
² CRM = Certified reference material, European
³ SRM = Standard reference material
⁴ ID-MS = Isotope dilution – mass spectrometry

Erba Lachema s.r.o., Karásek 2219/1d, 621 00 Brno, Czech Republic
 Identification number: 269 18 846, Tax identification number: CZ26918846
 Incorporated in the Commercial Register maintained by the Regional Court in Brno, Section C, insert 45458
 Tel.: +420 517 077 111, e-mail: diagnostics@erbamannheim.com, www.erbalachema.com

Patent Entry(F2)

Test Parameter(F3)

Profiles / Cals(F4)

OCC Calibration(F5)

Consumables(F6)

Status Monitor(F7)

Search(F8)

Reports(F9)

Master

Utility(F11)

Service Check

Settings

Shut Down

Maintenance Cell Blank Maintenance Log

SPAN

MANUAL SPAN

Wavelength

Gain

AUTO SPAN

Wavelength	Gain	Cur: 01	Gain Value	OK	Out of Range
340	405	505	546	578	600
613	495	472	506	499	855
				720	534

START

WASH

WASH MAINTENANCE COMMANDS

CUVETTE RINSE

WATER SAVE

AUTO WASH

PROBE WASH

PRIME WASH

START

DEAD VOLUME CALIBRATION

SELECT CONTAINER TYPE

Sample Type: (ml) Pos. 3

Sample Cup: (2 ml) Pos. 2

Sample Tube: (7 ml) Pos. 1

Sample STD Cup: (600 ul) Pos. 11

Reagent Inlet Pos. 1

Reagent Outlet Pos. 2

Residual Sol. Indicator Pos. 1

CALIBRATE

DEFAULT

STOP

AUTO MAINTENANCE

START-UP

SHUT-DOWN

START

MAINTENANCE ERRORS

G.N. ERROR MESSAGE

EC

Calibration - EM 200

Test : ALPU

Revision : <A-200-ALPU-3 01.03.2016>

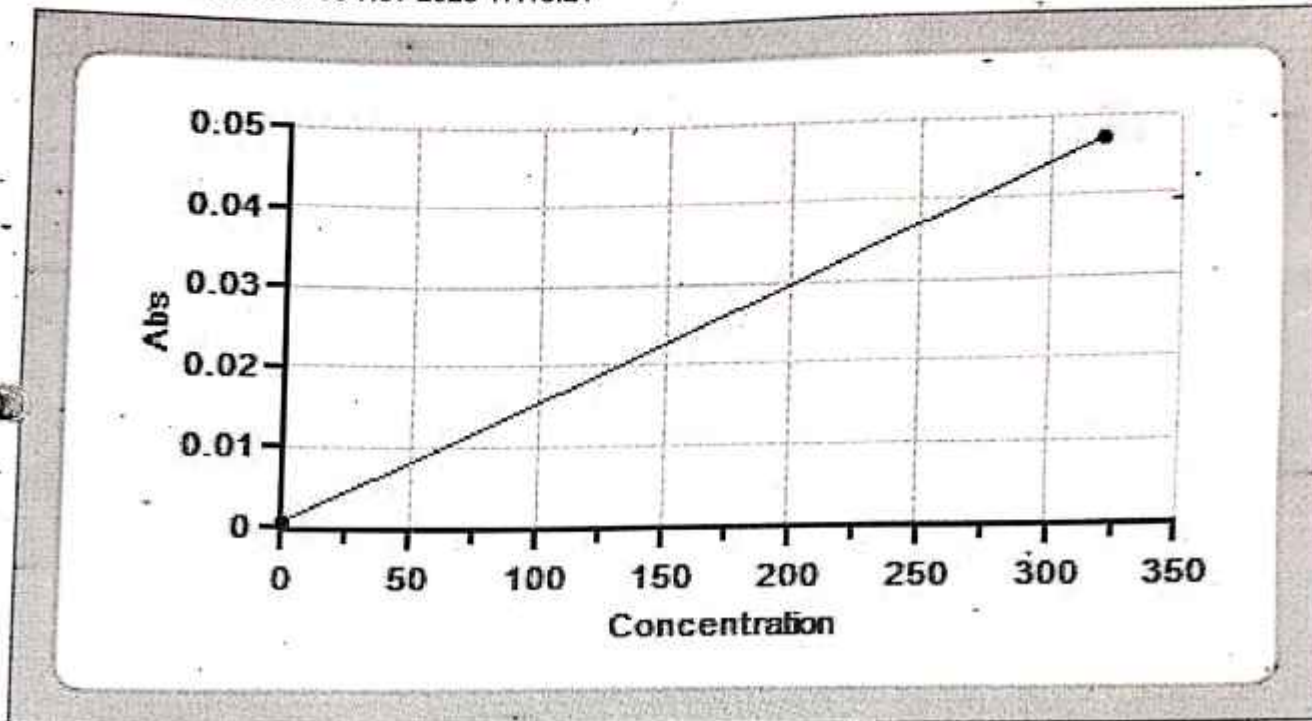
Curve Type : Linear

R1 Lot No : B092232-237

Calibration Date : 03-Nov-2023 17:13:21

R2 Lot No : B092232-237

Last Calibration Date : 03-Nov-2023 17:13:21



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
I-1	BLANK	1234	0.000	0.0008	0.0000
I-2	MULTICAL	2309047A	320.000	0.0472	6,903.9912

Calibration - EM 200

Test : BIDD

Curve Type : Linear

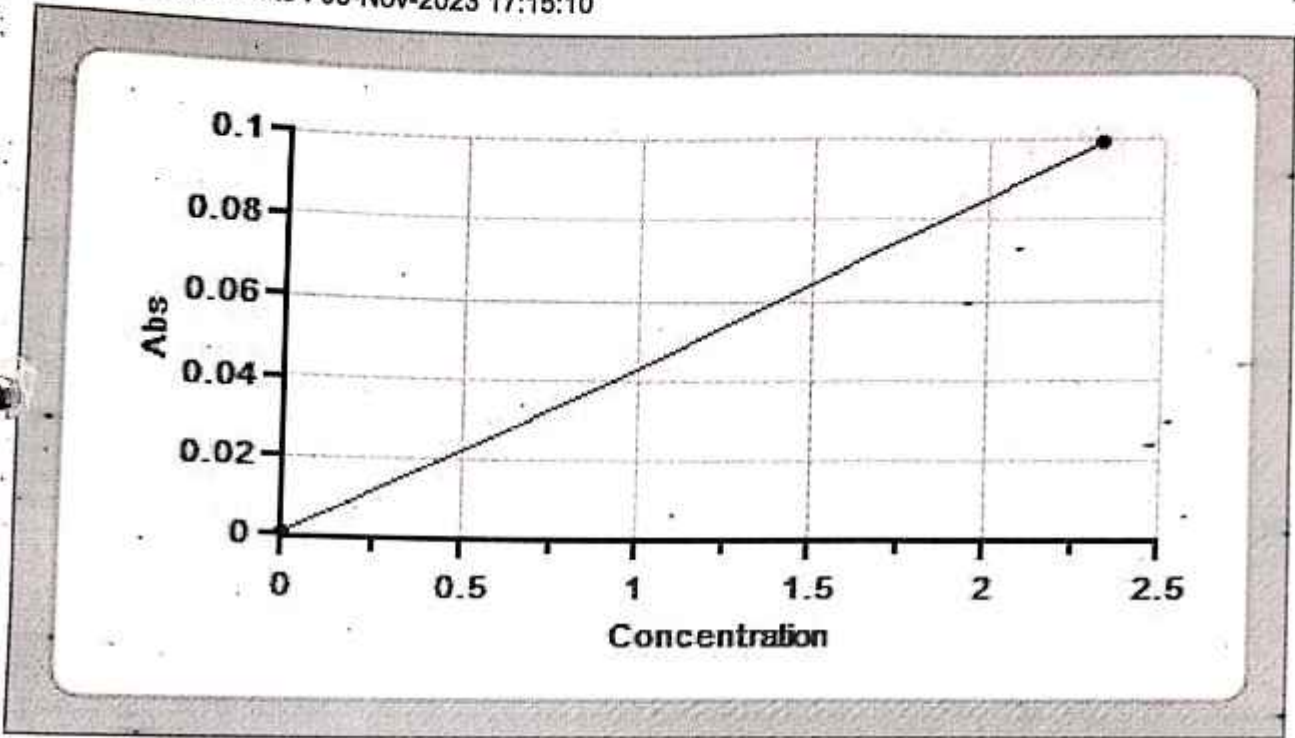
Calibration Date : 03-Nov-2023 17:15:10

Last Calibration Date : 03-Nov-2023 17:15:10

Revision : <A-200-BIDD-4 10.04.2018>

R1 Lot No : S052320-320

R2 Lot No : S052320-320



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0009	0.0000
I-2	MULTICAL	2309047A	2.320	0.0991	23.6373

Calibration - EM 200

Test : BIT

Revision : <A-200-BIT-2 26.09.2013>

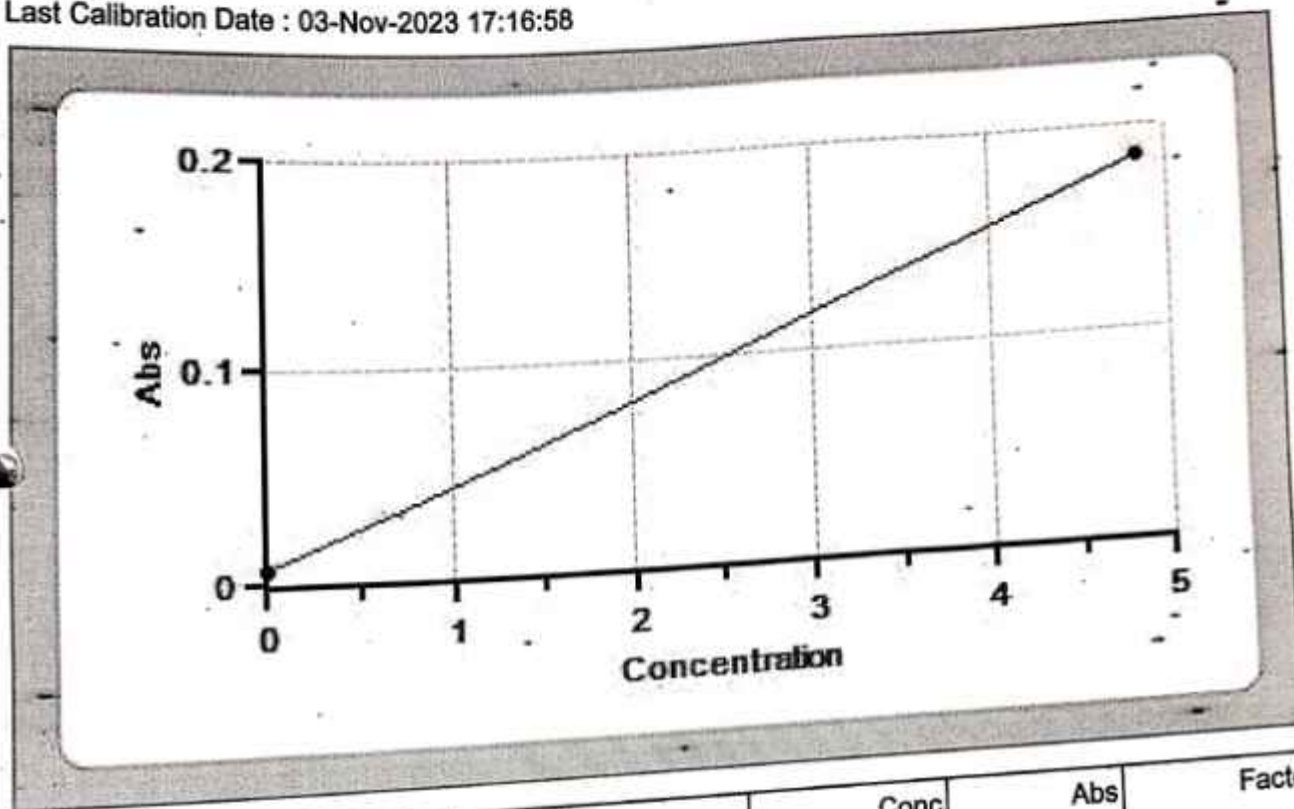
Curve Type : Linear

R1 Lot No : S042350-315

Calibration Date : 03-Nov-2023 17:16:58

R2 Lot No : S042350-315

Last Calibration Date : 03-Nov-2023 17:16:58



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0074	0.0000
I-2	MULTICAL	2309047A	4.830	0.1840	27.3499

Print Date : 03-Nov-2023

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Calibration - EM 200

Test : CHOL

Curve Type : Linear

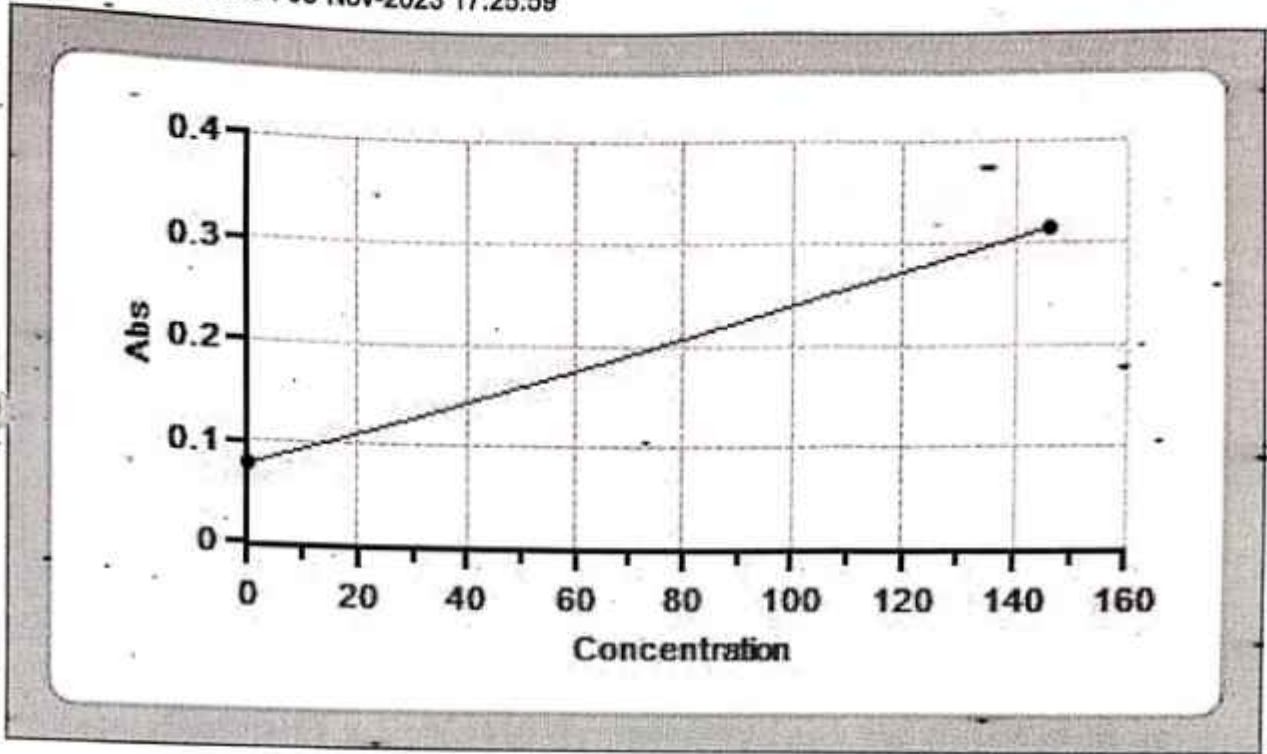
Calibration Date : 03-Nov-2023 17:25:59

Last Calibration Date : 03-Nov-2023 17:25:59

Revision : <A-200-CHOL-1 20.08.2013>

R1 Lot No : S072326-328

R2 Lot No : ---



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234 -	0.000	0.0784	0.0000
I-2	MULTICAL	2309047A	146.000	0.3158	615.1254

Calibration - EM 200

Test : CRENZ

Revision : <A-200-CRENZ-1 01.08.2014>

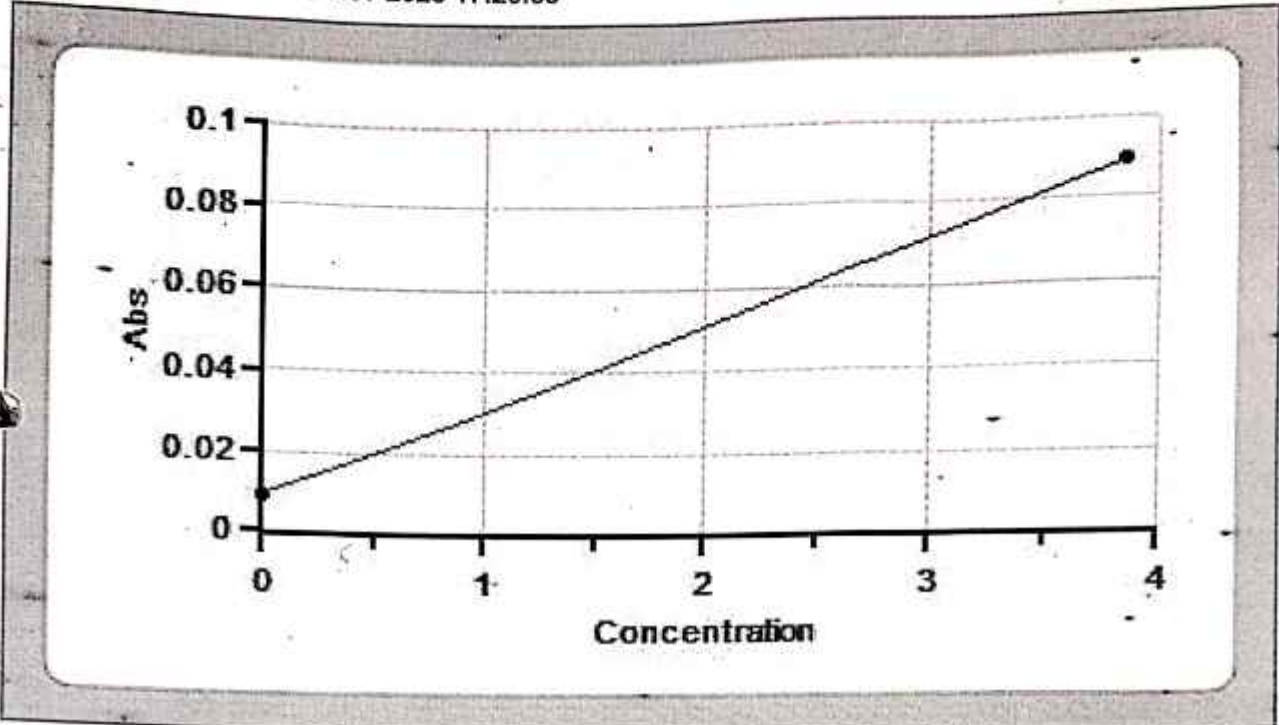
Curve Type : Linear

R1 Lot No : T012313-305

Calibration Date : 03-Nov-2023 17:20:35

R2 Lot No : T012313-305

Last Calibration Date : 03-Nov-2023 17:20:35



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0095	0.0000
I-2	MULTICAL	2309047A	3.850	0.0891	48.3668

Calibration - EM 200

Test : GLU

Revision : <A-200-GLU-1 20.08.2013>

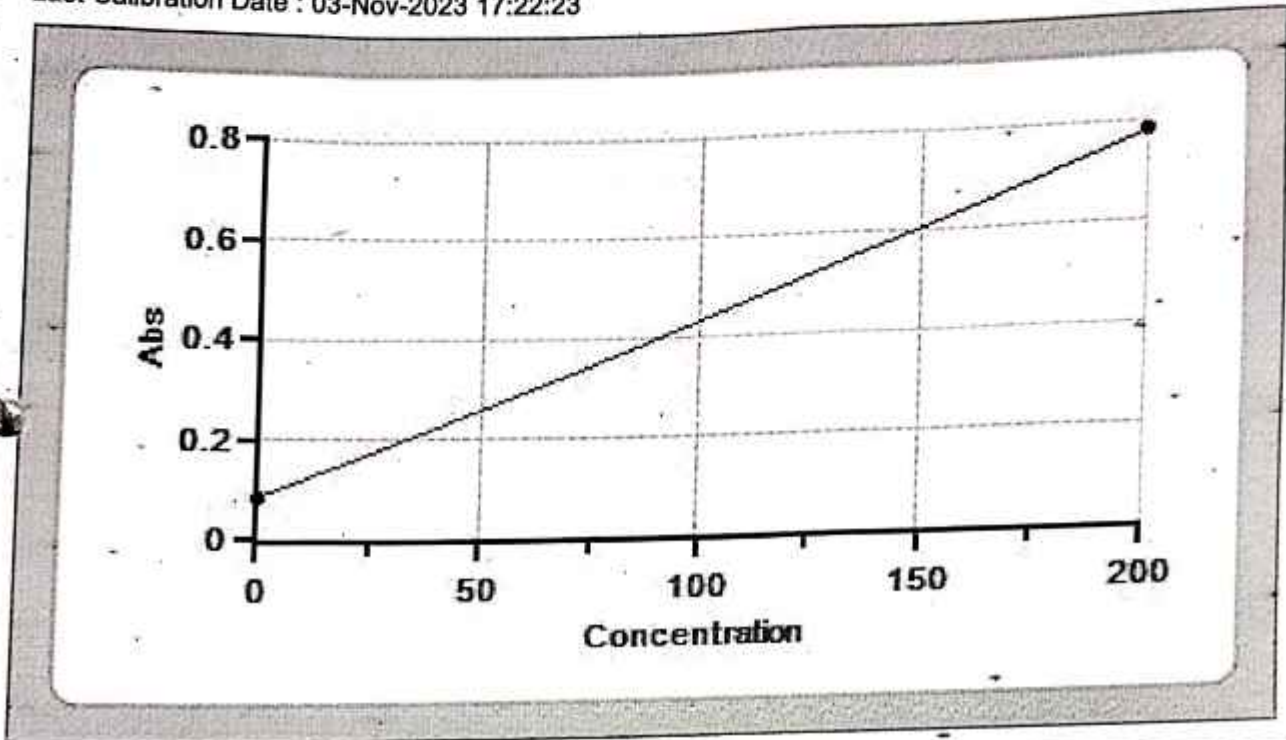
Curve Type : Linear

R1 Lot No : B052209-219

Calibration Date : 03-Nov-2023 17:22:23

R2 Lot No : ---

Last Calibration Date : 03-Nov-2023 17:22:23



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0864	0.0000
I-2	MULTICAL	2309047A	200.000	0.7803	288.2052

Calibration - EM 200

Test : HDLC

Revision : <A-200-HDLC-1 20.08.2013>

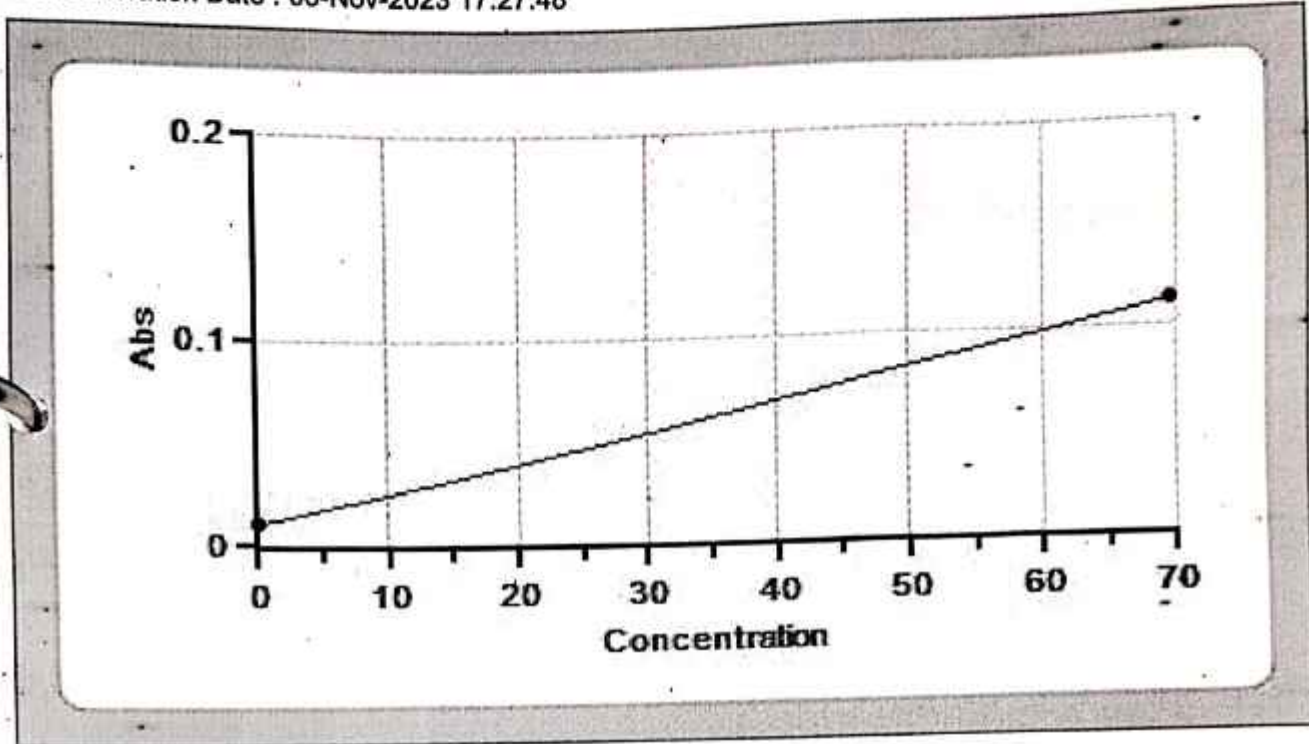
Curve Type : Linear

R1 Lot No : S092284-240

Calibration Date : 03-Nov-2023 17:27:48

R2 Lot No : S092284-240

Last Calibration Date : 03-Nov-2023 17:27:48



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0107	0.0000
I-5	HDL LDL CAL	S092284	69.500	0.1124	684.0551

Calibration - EM 200

Test : PRO

Curve Type : Linear

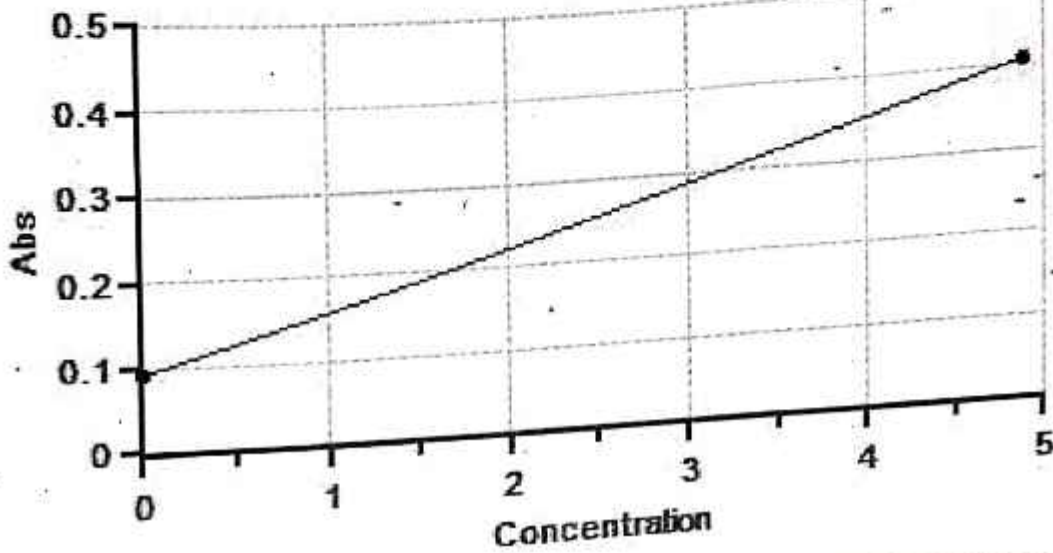
Calibration Date : 03-Nov-2023 17:31:24

Last Calibration Date : 03-Nov-2023 17:31:24

Revision : <A-200-PRO-2 26.09.2013>

R1 Lot No : B022348-308

R2 Lot No : ---



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0919	0.0000
I-2	MULTICAL	2309047A	4.880	0.4087	15.4040

Calibration - EM 200

Test : SGOTD

Revision : <A-200-SGOTD-3 21.06.2017>

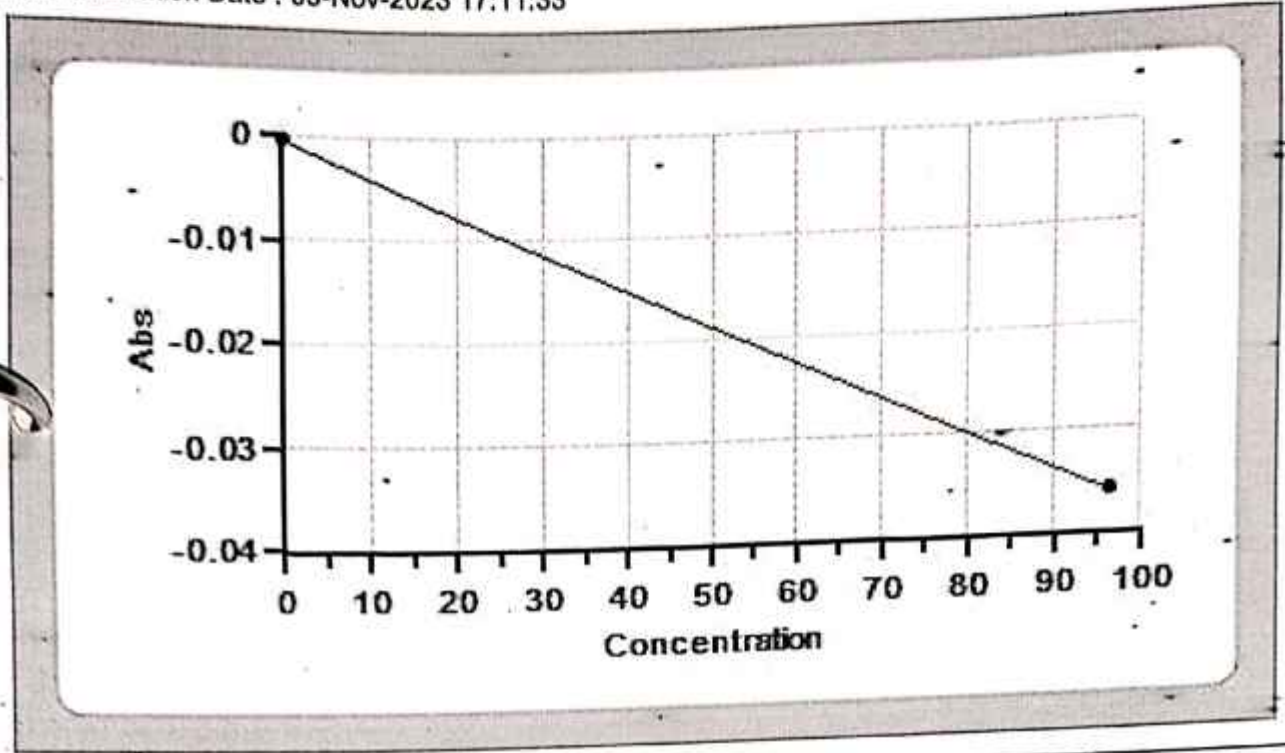
Curve Type : Linear

R1 Lot No : S032309-310

Calibration Date : 03-Nov-2023 17:11:33

R2 Lot No : S032309-310

Last Calibration Date : 03-Nov-2023 17:11:33



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
I-1	BLANK	1234	0.000	-0.0004	0.0000
I-2	MULTICAL	2309047A	96.400	-0.0359	-2,715.4932

Calibration - EM 200

Test : SGPTD

Revision : <A-200-SGPTD-3 21.06.2017>

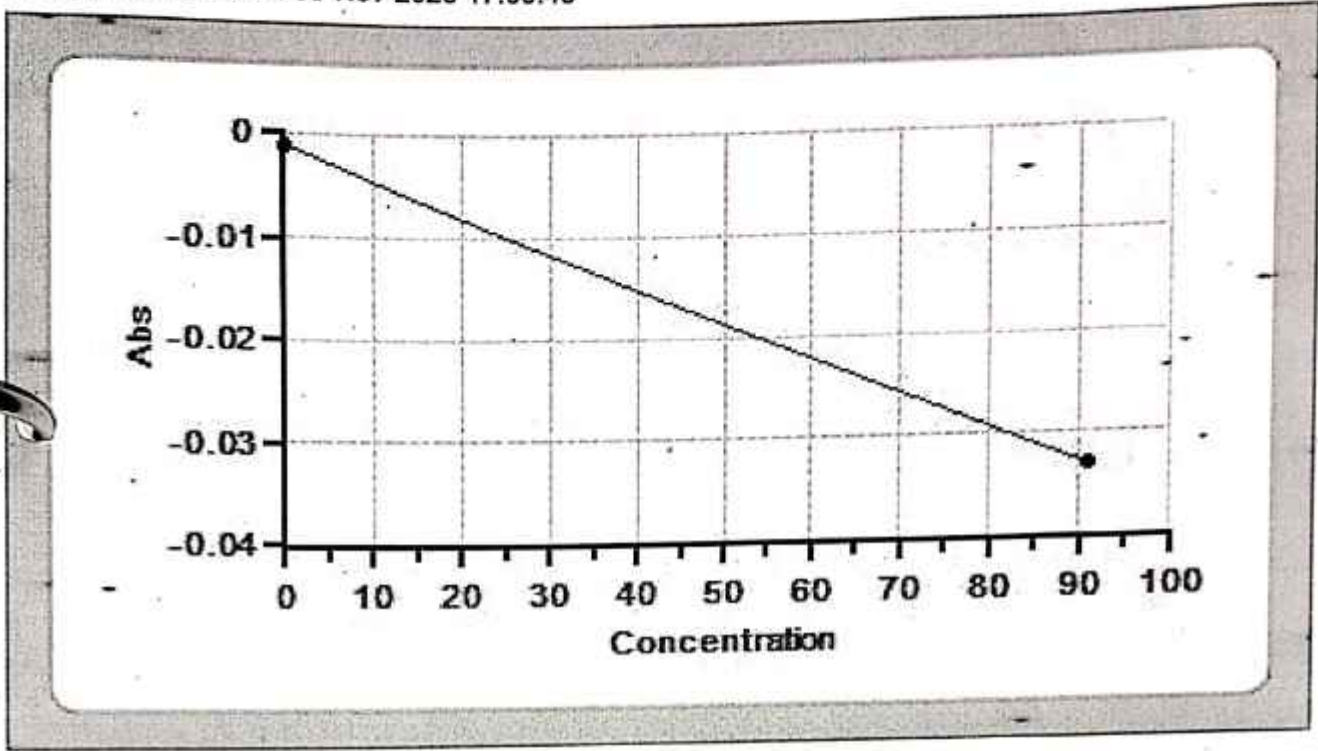
Curve Type : Linear

R1 Lot No : T122205-250

Calibration Date : 03-Nov-2023 17:09:45

R2 Lot No : T122205-250

Last Calibration Date : 03-Nov-2023 17:09:45



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
I-1	BLANK	1234	0.000	-0.0010	0.0000
I-2	MULTICAL	2309047A	91.000	-0.0330	-2,843.7498

Print Date : 03-Nov-2023

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Calibration - EM 200

Test : TRIG

Revision :: <A-200-TRIG-1 20.08.2013>

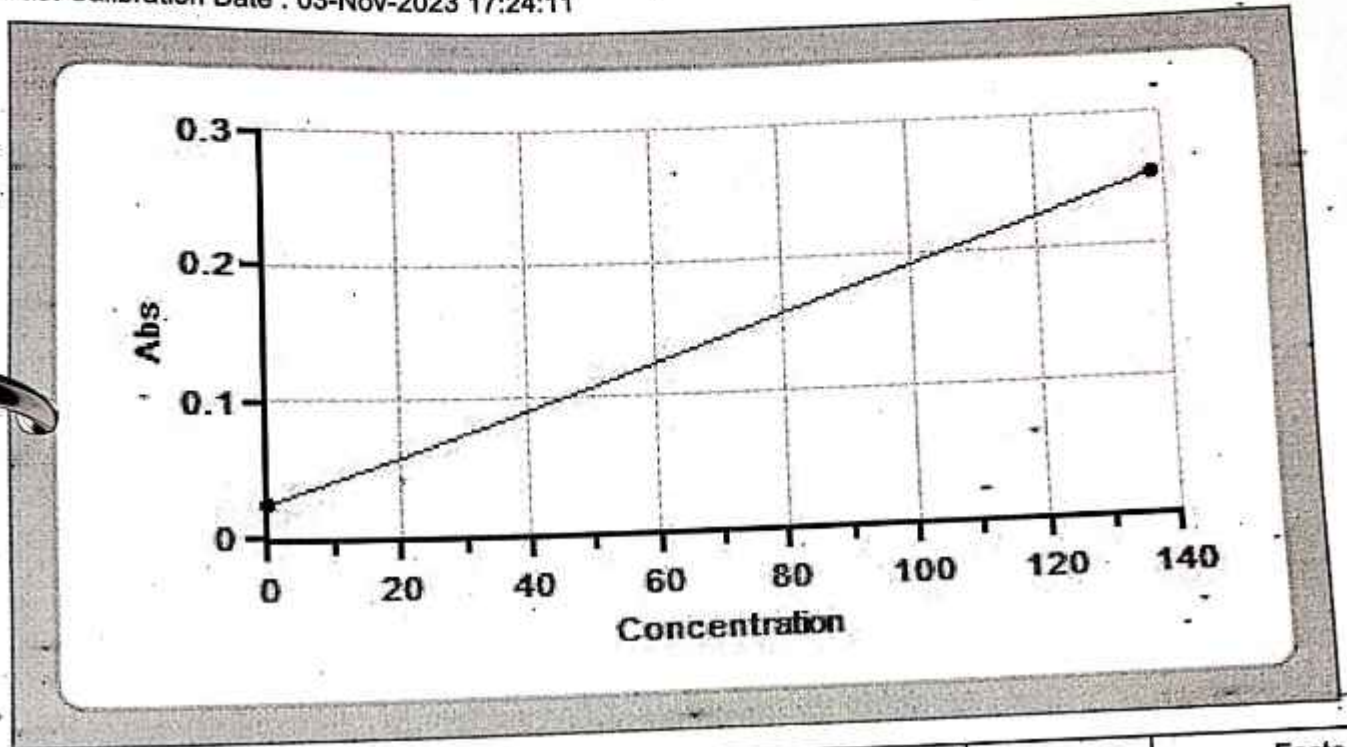
Curve Type : Linear

R1 Lot No : S042392-319

Calibration Date : 03-Nov-2023 17:24:11

R2 Lot No : S042392-319

Last Calibration Date : 03-Nov-2023 17:24:11



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0249	0.0000
I-2	MULTICAL	2309047A	138.000	0.2539	602.6201

Calibration - EM 200

Test : UA

Revision : <A-200-UA-1 01.06.2015>

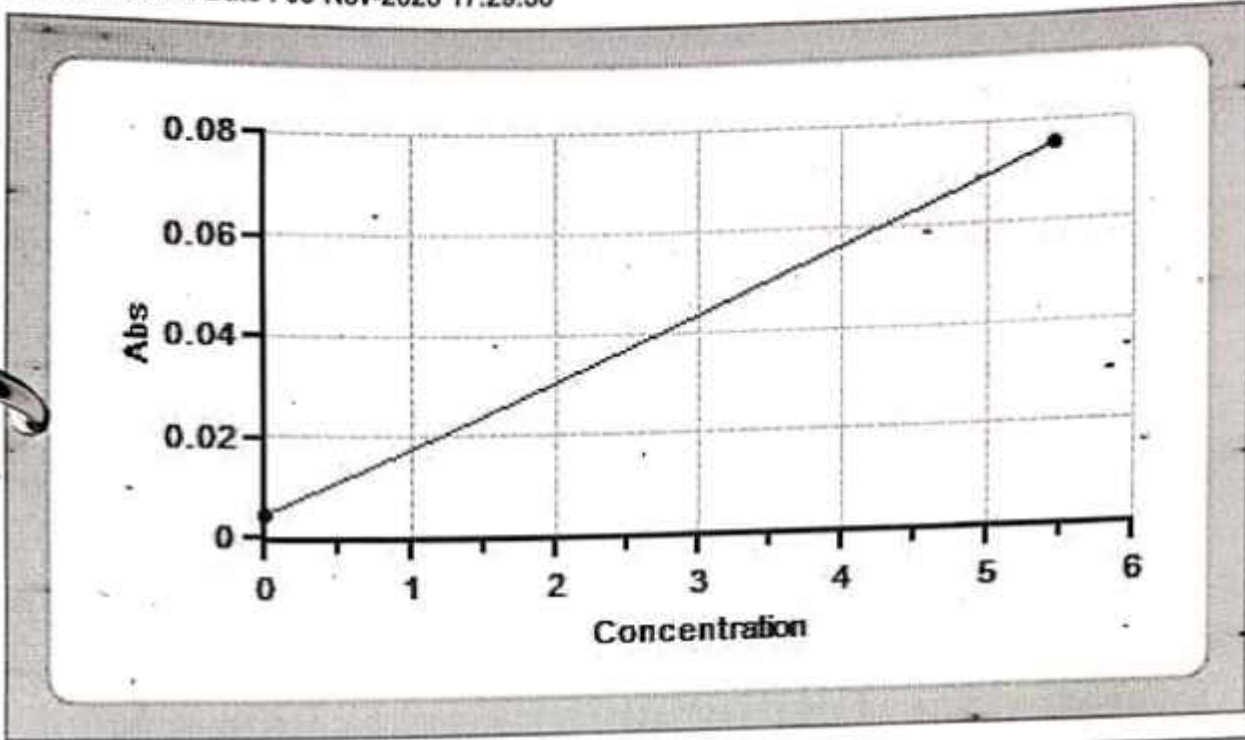
Curve Type : Linear

R1 Lot No : S062365-325

Calibration Date : 03-Nov-2023 17:29:36

R2 Lot No : S062365-325

Last Calibration Date : 03-Nov-2023 17:29:36



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0046	0.0000
I-2	MULTICAL	2309047A	5.460	0.0756	76.8473

Print Date : 03-Nov-2023

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Calibration - EM 200

Test : UREA

Revision : <A-200-UREA-2 01.03.2016>

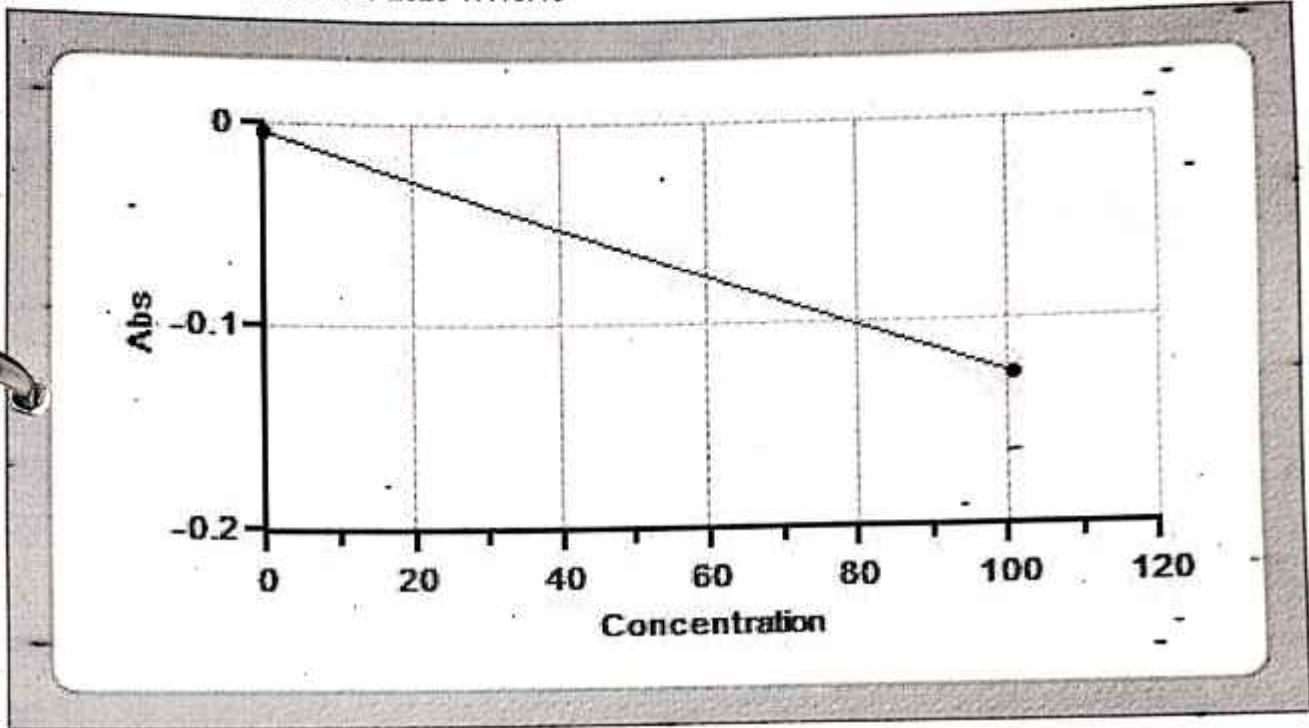
Curve Type : Linear

R1 Lot No : T122210-251

Calibration Date : 03-Nov-2023 17:18:46

R2 Lot No : T122210-251

Last Calibration Date : 03-Nov-2023 17:18:46



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
I-1	BLANK	1234	0.000	-0.0041	0.0000
I-2	MULTICAL	2309047A	101.000	-0.1266	-824.1534

Calibration - EM 200

Test : ALB2

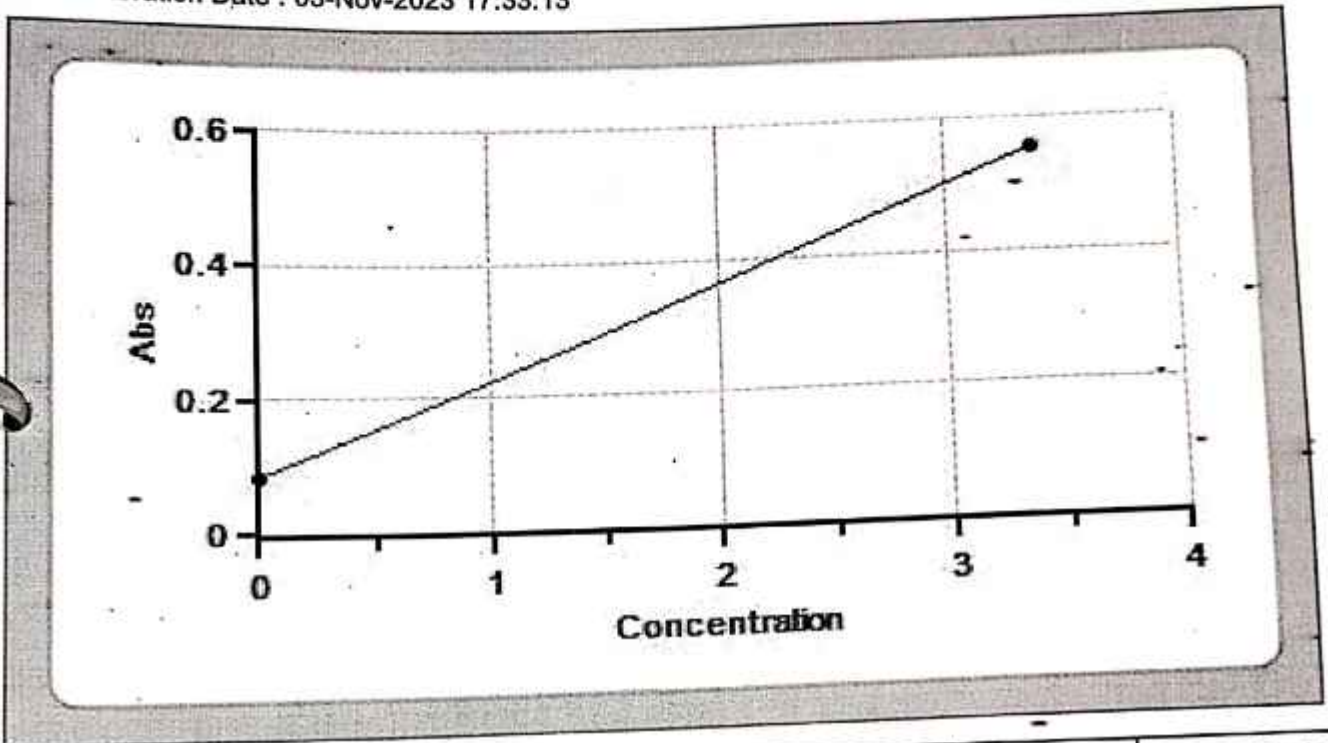
Curve Type : Linear

Calibration Date : 03-Nov-2023 17:33:13

Last Calibration Date : 03-Nov-2023 17:33:13

R1 Lot No : ---

R2 Lot No : ---



Pos	Consumable	LotNo.	Conc	Abs	Factor
I-1	BLANK	1234	0.000	0.0852	0.0000
I-2	MULTICAL	2309047A	3.370	0.5539	7.1901