



CERTIFICATE OF CALIBRATION/ VERIFICATION

Customer Name : LEGIT MEDICAL DIAGNOSTICS AND POLYCLINIC
Department : BIOCHEMISTRY
Model : Fully Automated Bio-chemistry Analyzer-XL 200
Serial Number : v200P058
Calibration Date : 17-09-2023
Next Calibration due on or before : 16-09-2024
Calibrator Used: Multical Lot : 2301066B, HDL-LDL CAL Lot:S062315
Quality Control Used: Biorad L1 Lot:89711,Biorad L2 Lot:89712

This is to certify that the above mentioned instrument has been verified of calibration according to the procedures provided by the manufacturer in the reference manual.

The reference instruments used for value assignment are managed by the traceability systems with the manufacturer and these are traceable to international standards.

General Parameters:

Parameter	Measured Value	Acceptable Range	
Line Voltage	229 V	230 V +/- 5%	Pass
Logic Voltage	5.0 V	4.9 V to 5.1 V	Pass
Lamp Voltage	12.01 V	11.8 V to 12.2 V	Pass
Flow cell Temperature	37.0 deg	37 +/- 0.5	Pass
45 Cuvette blank value for for all filter	Enclose valuesheet for all cuvette	Abs 0.02-0.2	Pass

Kalyan Chabey



Photometer Filter Gain Levels: Attached Instrument Print

s.no	Filter Value in nm	Filter Gain in mv	Acceptable Range of gain
1	340	481	200 mv to 800 mv
2	405	414	200 mv to 800 mv
3	505	451	200 mv to 800 mv
4	546	467	200 mv to 800 mv
5	578	463	200 mv to 800 mv
6	600	491	200 mv to 800 mv
7	660	500	200 mv to 800 mv
8	700	443	200 mv to 800 mv

Cellblanks Details for all Fiter:

s.no	Filter	Cell Blank range of 45 position Acceptable Range(0.03-0.2)	Pass/Fail
1	340	With in the range, Document Attached	Pass
2	405	With in the range, Document Attached	Pass
3	505	With in the range, Document Attached	Pass
4	546	With in the range, Document Attached	Pass
5	578	With in the range, Document Attached	Pass
6	600	With in the range, Document Attached	Pass
7	660	With in the range, Document Attached	Pass
8	700	With in the range, Document Attached	Pass

Kalyan Babu

Technical Service Department

Transasia Bio-medical Limited

Calibration - XL-200

Test : GLU

Revision : <A-200-GLU-2 18.06.2019>

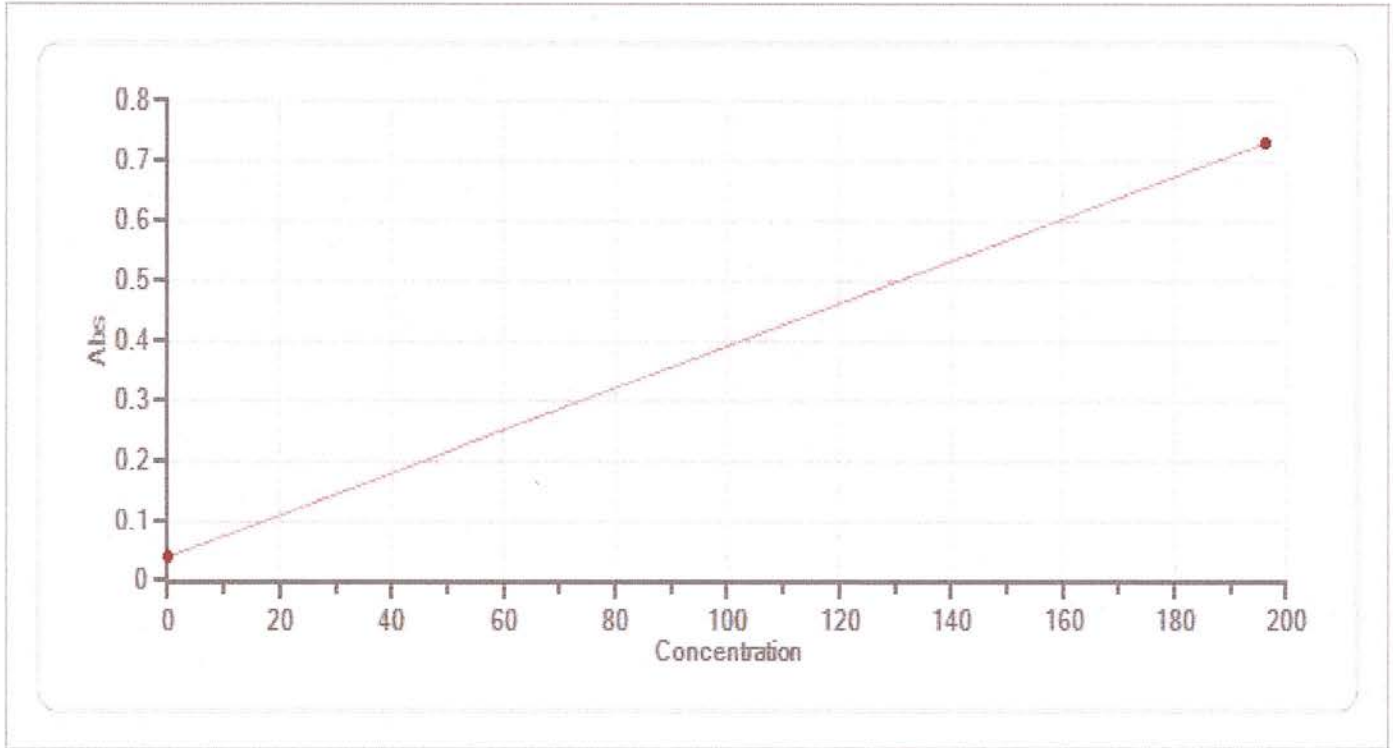
Curve Type : Linear

R1 Lot-Bottle No : B012347-304#8658

Calibration Date : 17-Sep-2023 08:46:33

R2 Lot-Bottle No : ---

Last Calibration Date : 26-Sep-2023 09:16:21



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0399	0.0000
-	XL MULTICAL	2301066B	196.000	0.7310	283.6264

Calibration - XL-200

Test : UREA

Revision : <A-200-UREA-3 18.06.2019>

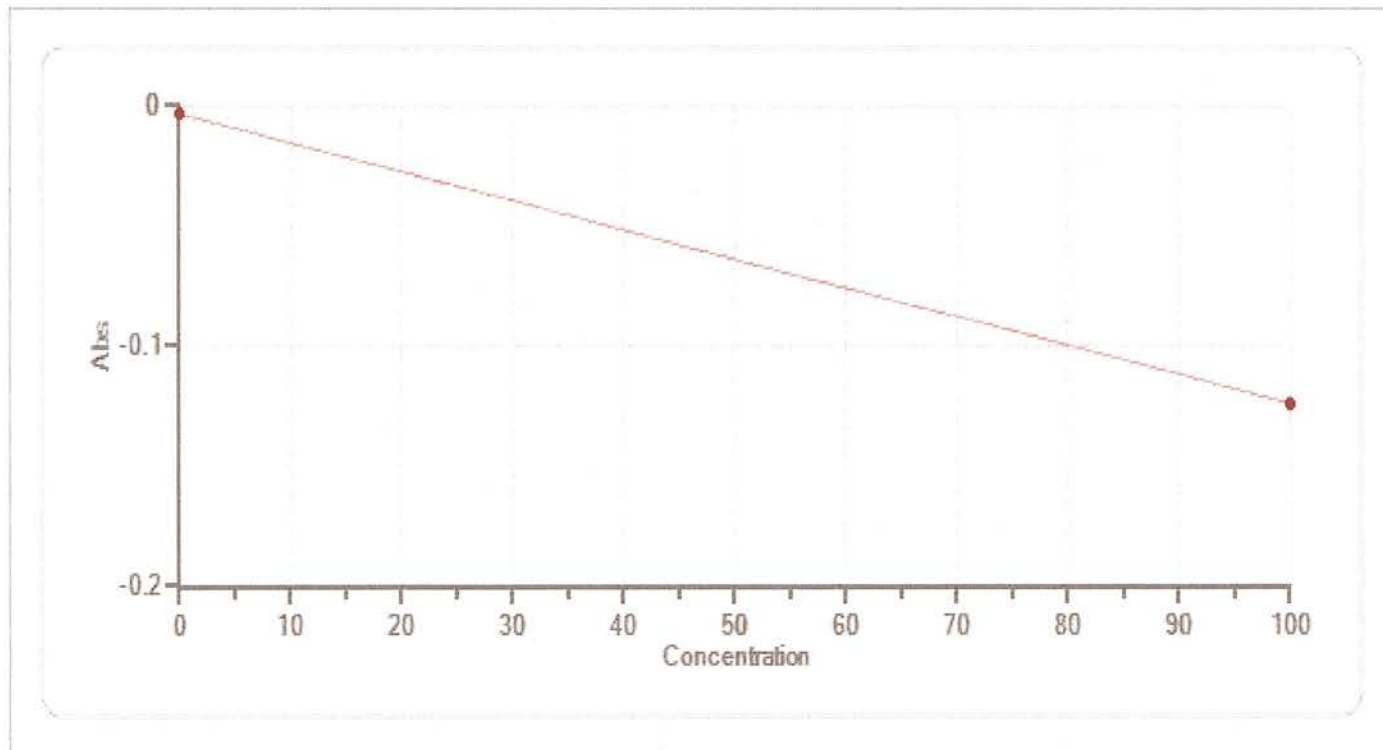
Curve Type : Linear

R1 Lot-Bottle No : T122210-251#2196

Calibration Date : 17-Sep-2023 08:42:57

R2 Lot-Bottle No : T122210-251#0708

Last Calibration Date : 24-Sep-2023 09:06:31



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
-	DI WATER	745896	0.000	-0.0030	0.0000
-	XL MULTICAL	2301066B	100.000	-0.1239	-827.8146

Calibration - XL-200

Test : CRENZ

Revision : <A-200-CRENZ-4 26.11.2020>

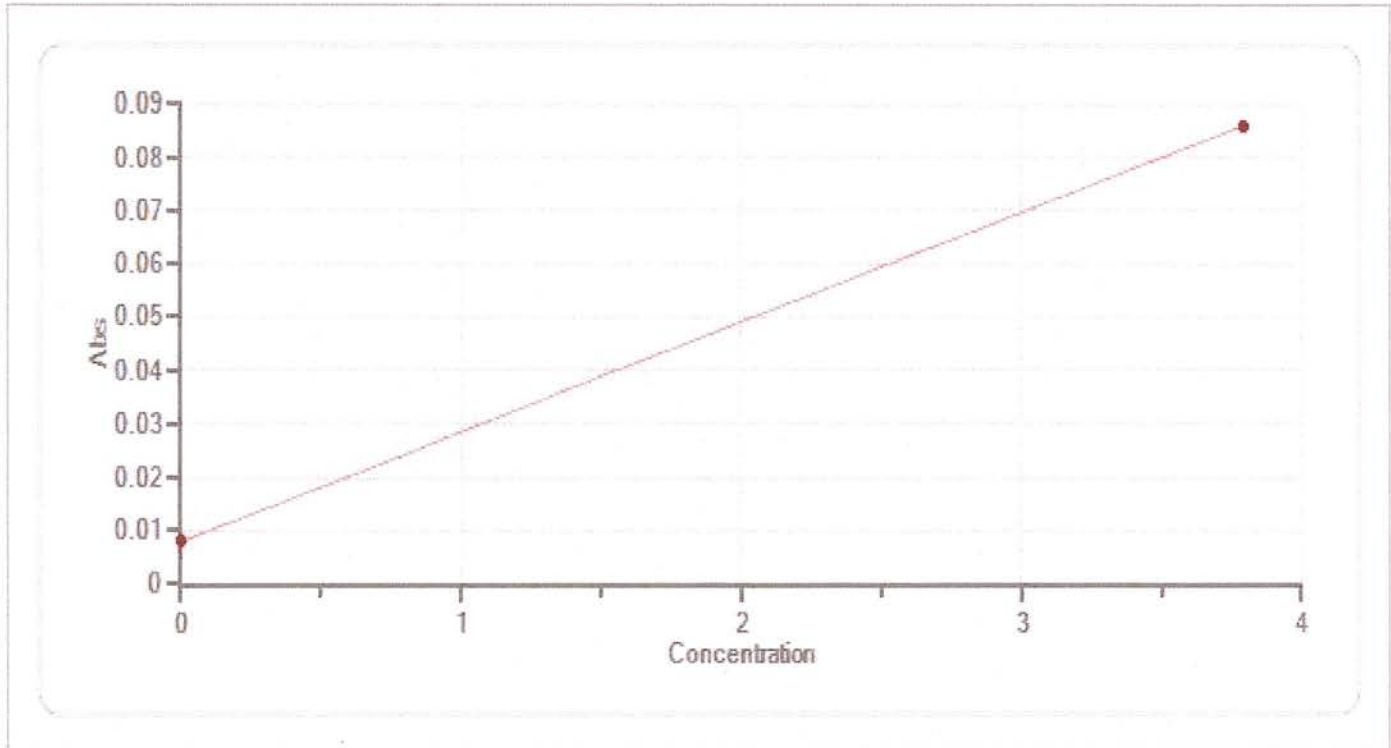
Curve Type : Linear

R1 Lot-Bottle No : S102276-244#2483

Calibration Date : 17-Sep-2023 08:44:45

R2 Lot-Bottle No : S102276-244#0420

Last Calibration Date : 25-Sep-2023 11:57:06



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0079	0.0000
-	XL MULTICAL	2301066B	3.790	0.0860	48.5586

Calibration - XL-200

Test : BDDCA

Revision : <A-200-BDDCA-2 13.09.2021>

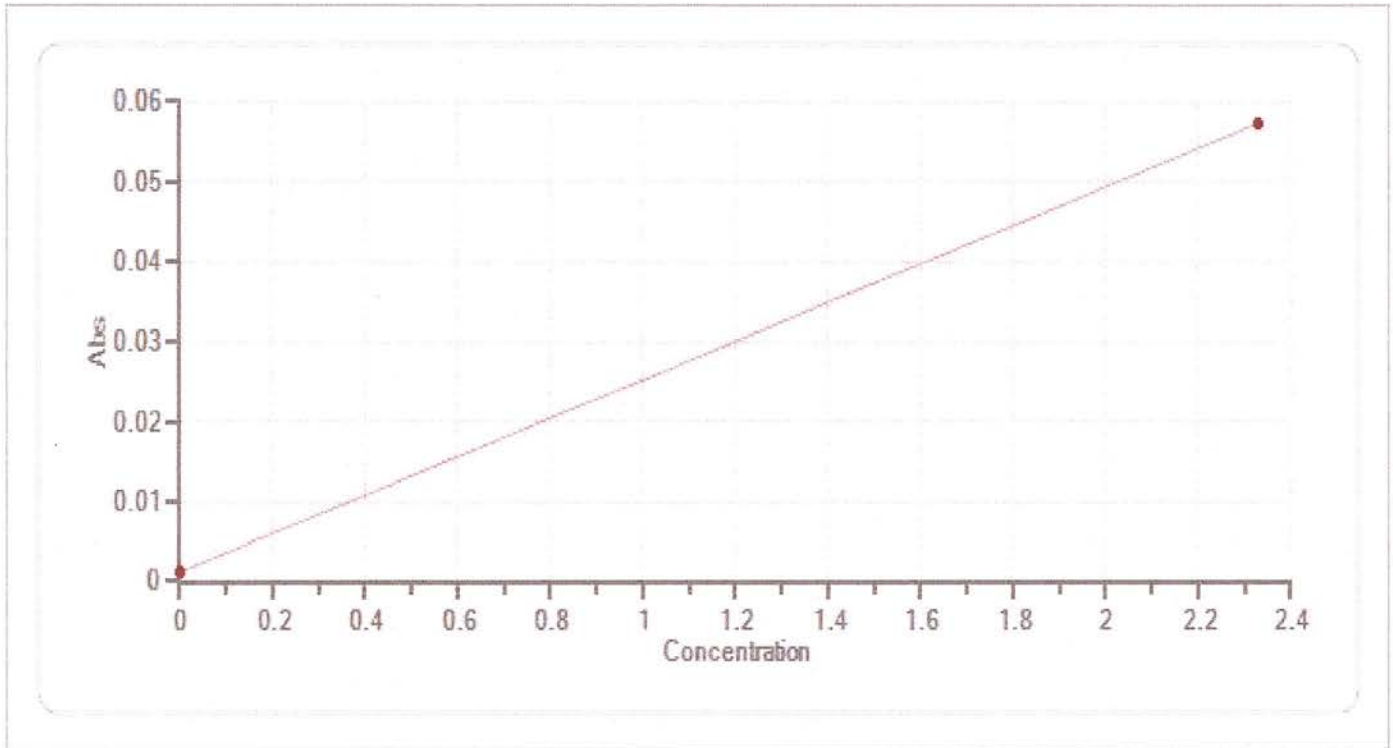
Curve Type : Linear

R1 Lot-Bottle No : S122144-150#1338

Calibration Date : 17-Sep-2023 08:39:20

R2 Lot-Bottle No : S122144-150#0250

Last Calibration Date : 24-Sep-2023 09:01:43



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0012	0.0000
-	XL MULTICAL	2301066B	2.330	0.0573	41.5700

Calibration - XL-200

Test : BTDCA

Revision : <A-200-BTDCA-2 18.06.2019>

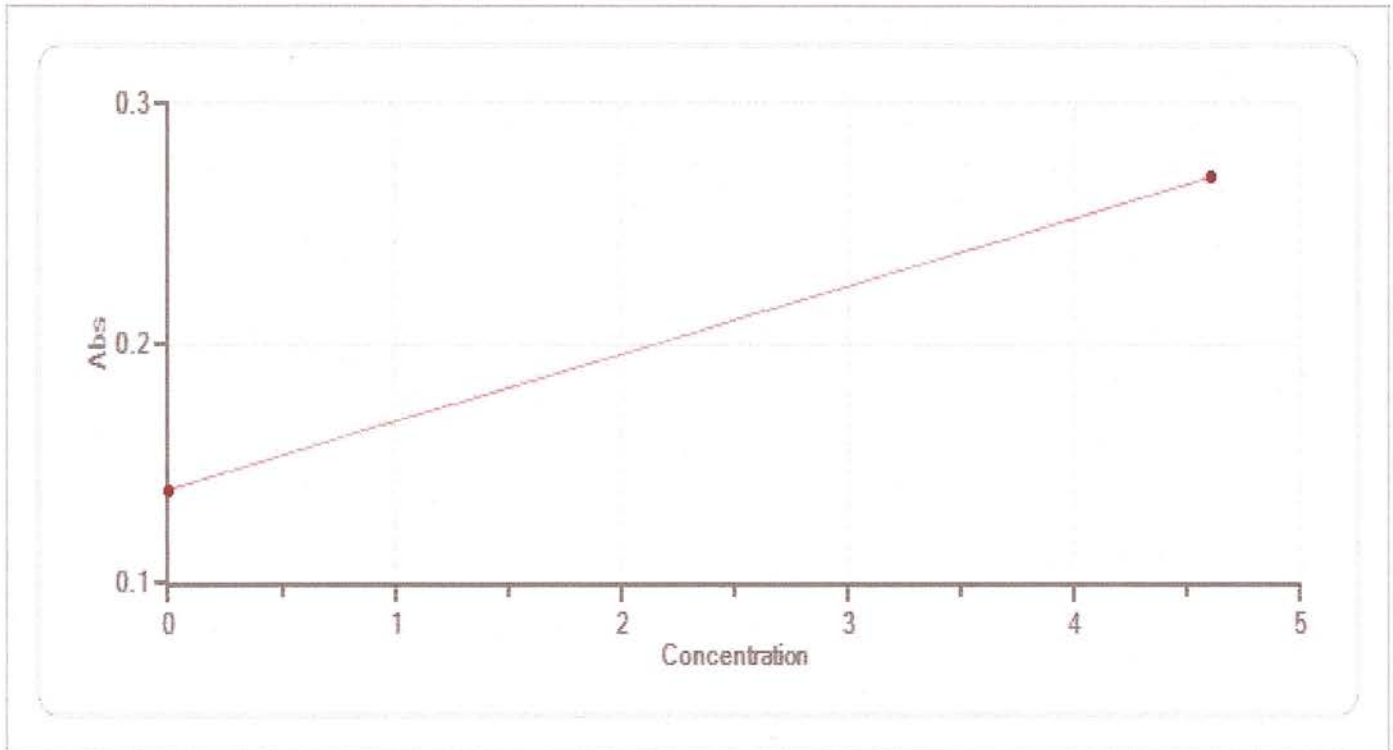
Curve Type : Linear

R1 Lot-Bottle No : S122298-252#0272

Calibration Date : 17-Sep-2023 08:41:08

R2 Lot-Bottle No : S122298-252#0063

Last Calibration Date : 24-Sep-2023 09:04:07



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.1393	0.0000
-	XL MULTICAL	2301066B	4.600	0.2689	35.4801

Calibration - XL-200

Test : SGOTD

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

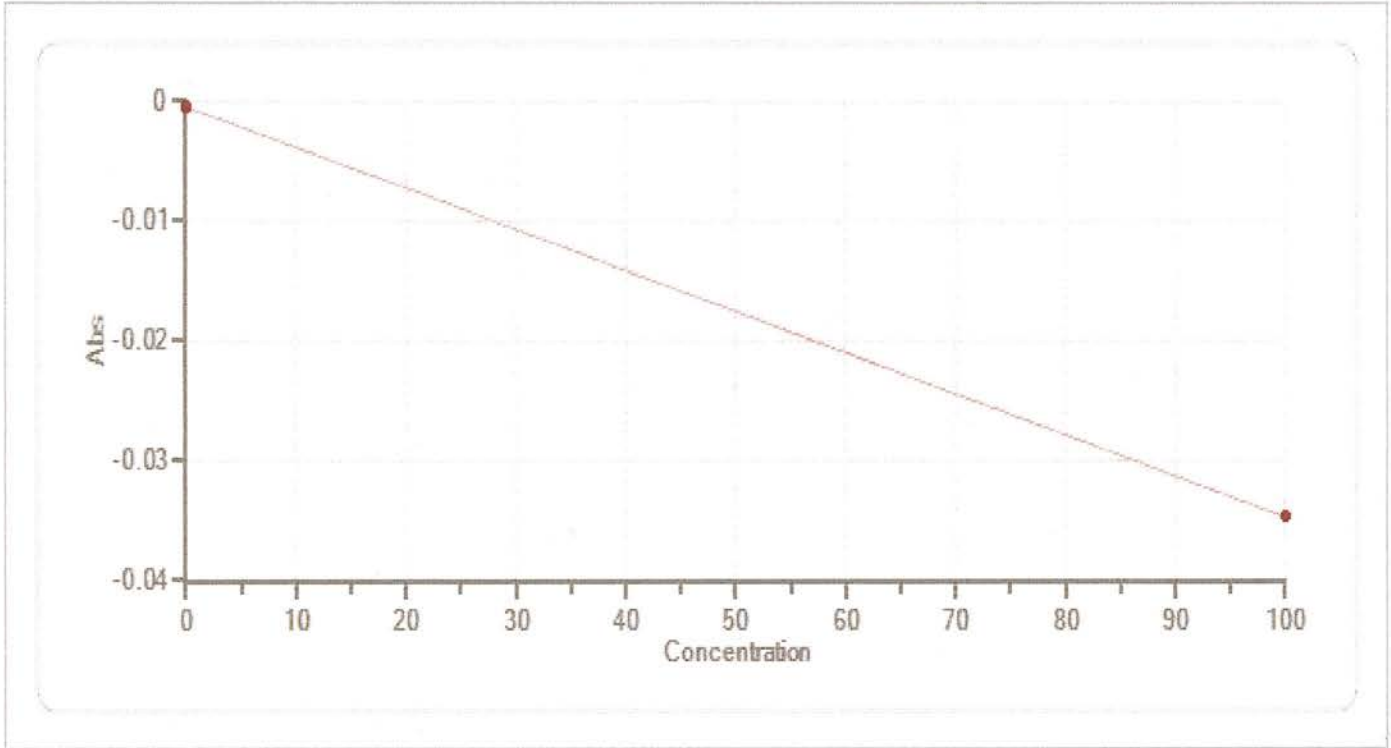
Curve Type : Linear

R1 Lot-Bottle No : S092295-241#3843

Calibration Date : 17-Sep-2023 08:32:07

R2 Lot-Bottle No : S092295-241#3182

Last Calibration Date : 24-Sep-2023 08:55:05



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
-	DI WATER	745896	0.000	-0.0004	0.0000
-	XL MULTICAL	2301066B	100.000	-0.0347	-2,911.2080

Calibration - XL-200

Test : SGPTD

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

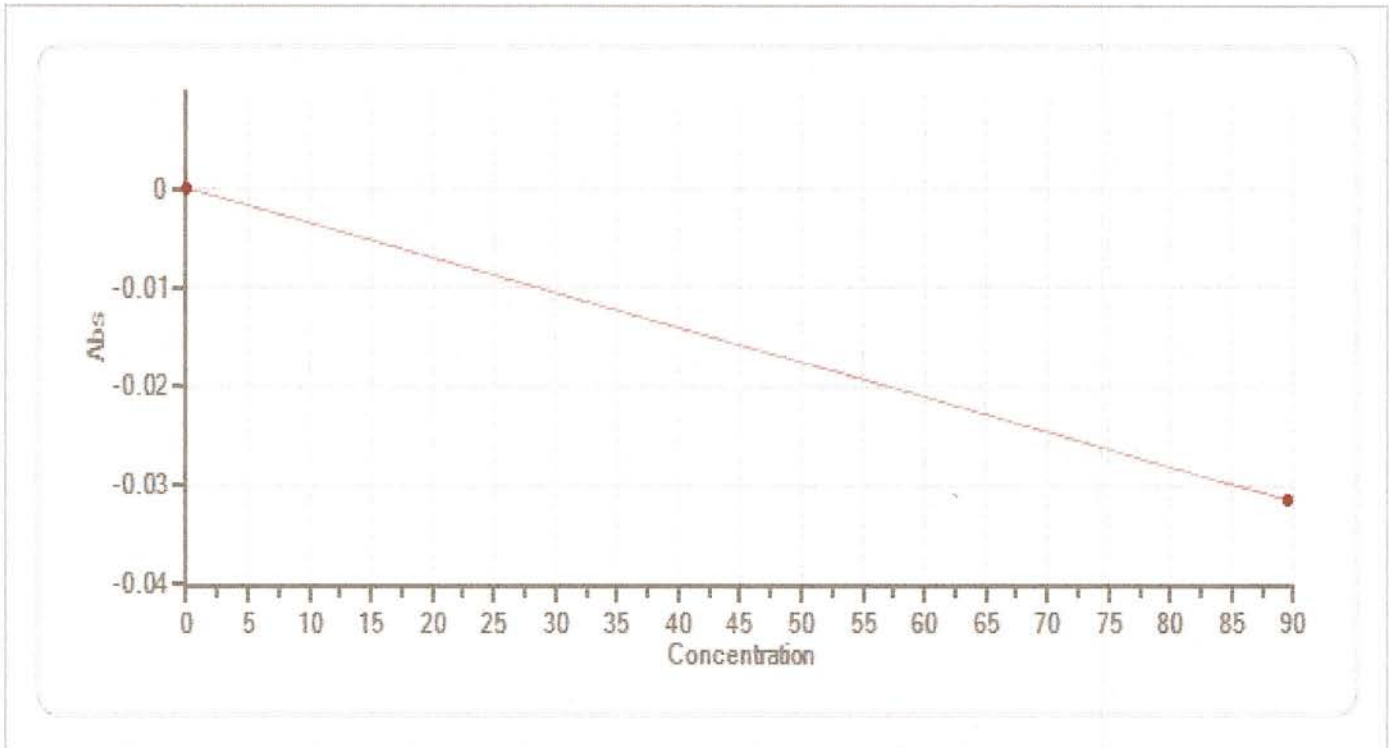
Curve Type : Linear

R1 Lot-Bottle No : S032310-311#2134

Calibration Date : 17-Sep-2023 08:30:19

R2 Lot-Bottle No : S032310-311#0344

Last Calibration Date : 24-Sep-2023 08:52:41



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
-	DI WATER	745896	0.000	0.0001	0.0000
-	XL MULTICAL	2301066B	89.600	-0.0315	-2,835.4431

Calibration - XL-200

Test : ALPU

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

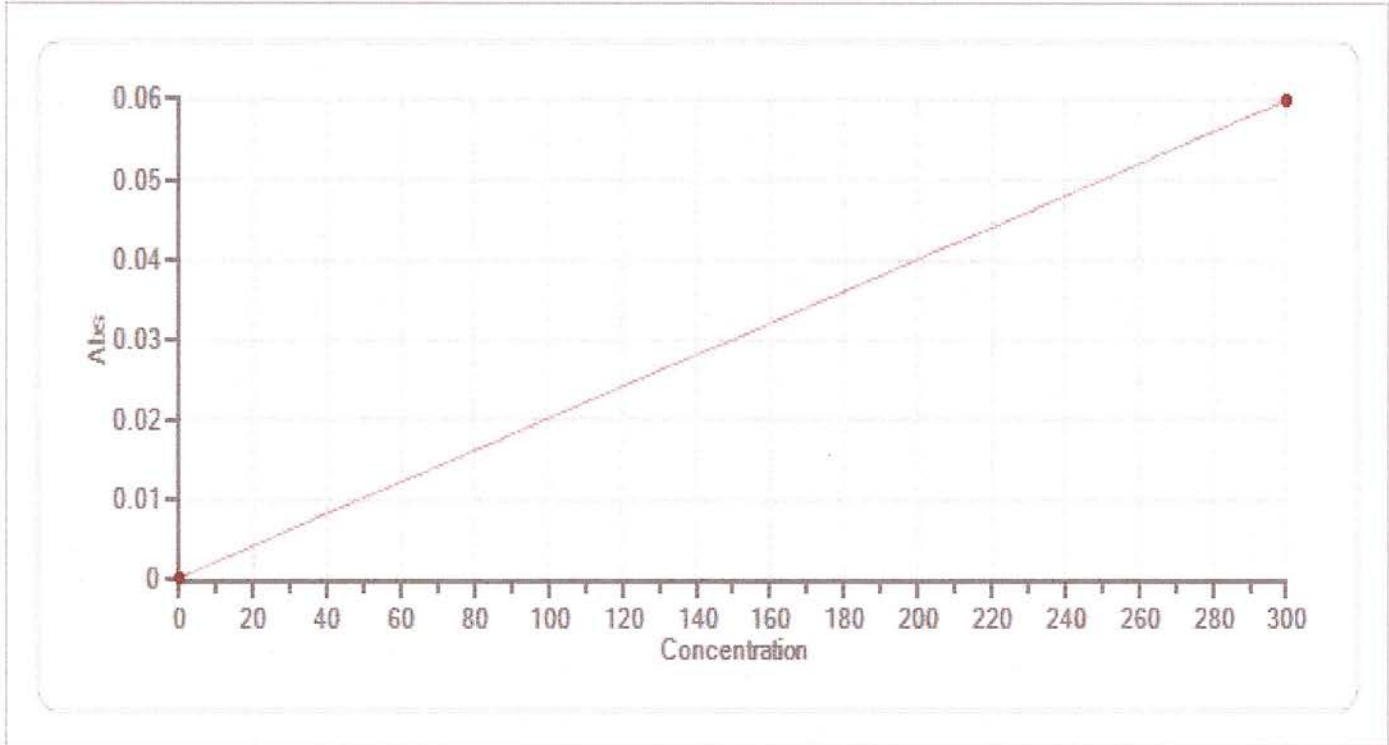
Curve Type : Linear

R1 Lot-Bottle No : S072313-328#1489

Calibration Date : 17-Sep-2023 08:33:55

R2 Lot-Bottle No : S072313-328#1121

Last Calibration Date : 24-Sep-2023 08:57:30



Pos	Consumable	LotNo.	Conc	Delta Abs/Min	Factor
-	DI WATER	745896	0.000	0.0003	0.0000
-	XL MULTICAL	2301066B	300.000	0.0600	5,029.3379

Calibration - XL-200

Test : PRO

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

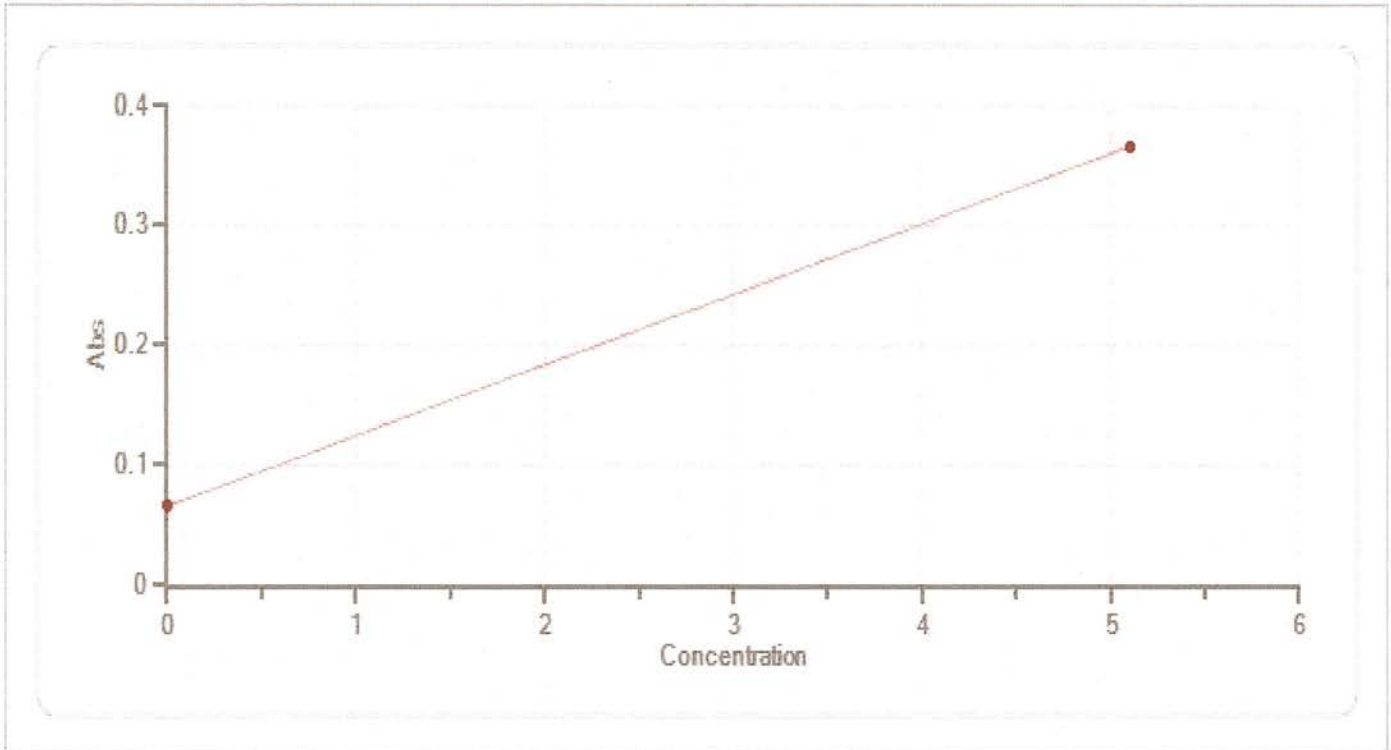
Curve Type : Linear

R1 Lot-Bottle No : B022348-308#6883

Calibration Date : 17-Sep-2023 08:59:47

R2 Lot-Bottle No : ---

Last Calibration Date : 24-Sep-2023 09:24:16



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0655	0.0000
-	XL MULTICAL	2301066B	5.100	0.3660	16.9717

Calibration - XL-200

Test : ALBD

Revision : <A-200-ALBD-1 07.11.2017>

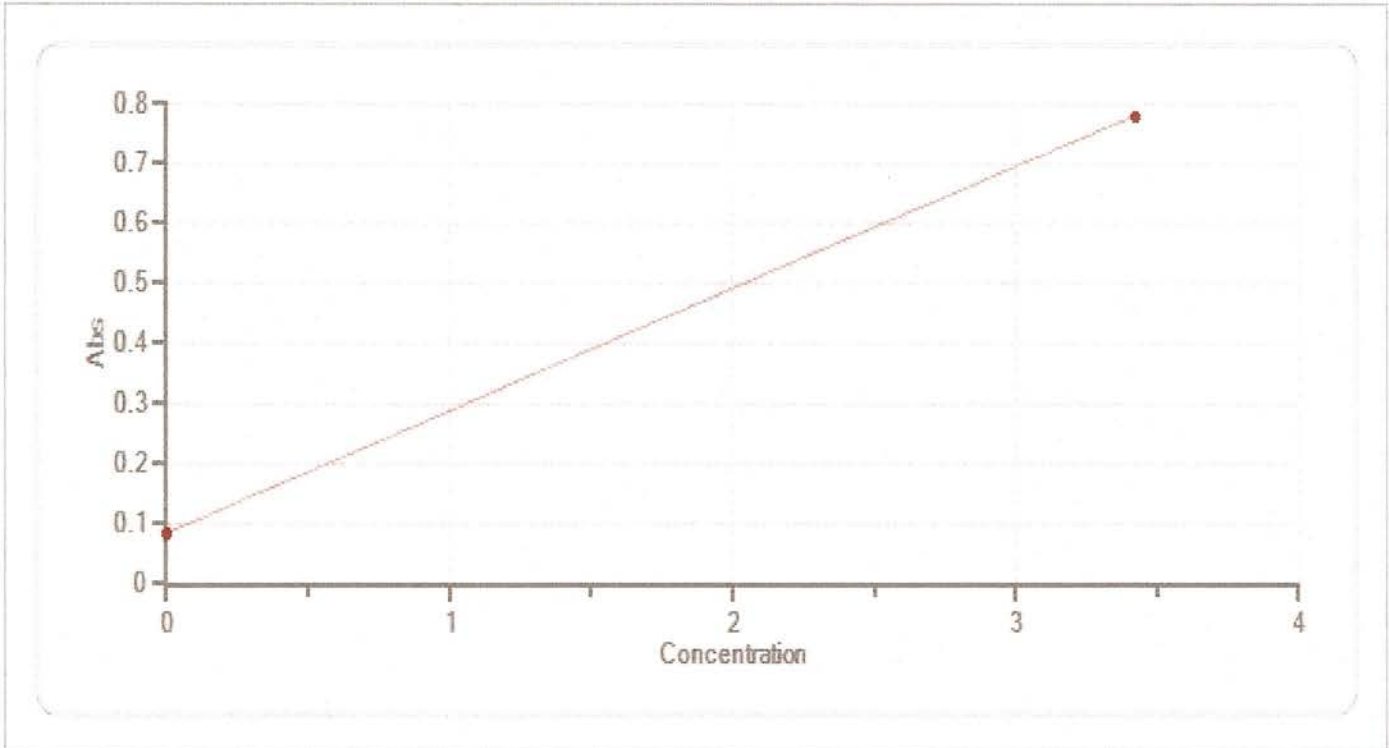
Curve Type : Linear

R1 Lot-Bottle No : B102233-242#3059

Calibration Date : 17-Sep-2023 08:57:59

R2 Lot-Bottle No : ---

Last Calibration Date : 24-Sep-2023 09:21:52



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0845	0.0000
-	XL MULTICAL	2301066B	3.420	0.7820	4.9032

Calibration - XL-200

Test : UA

Revision :: <A-200-UA-2 18.06.2019>

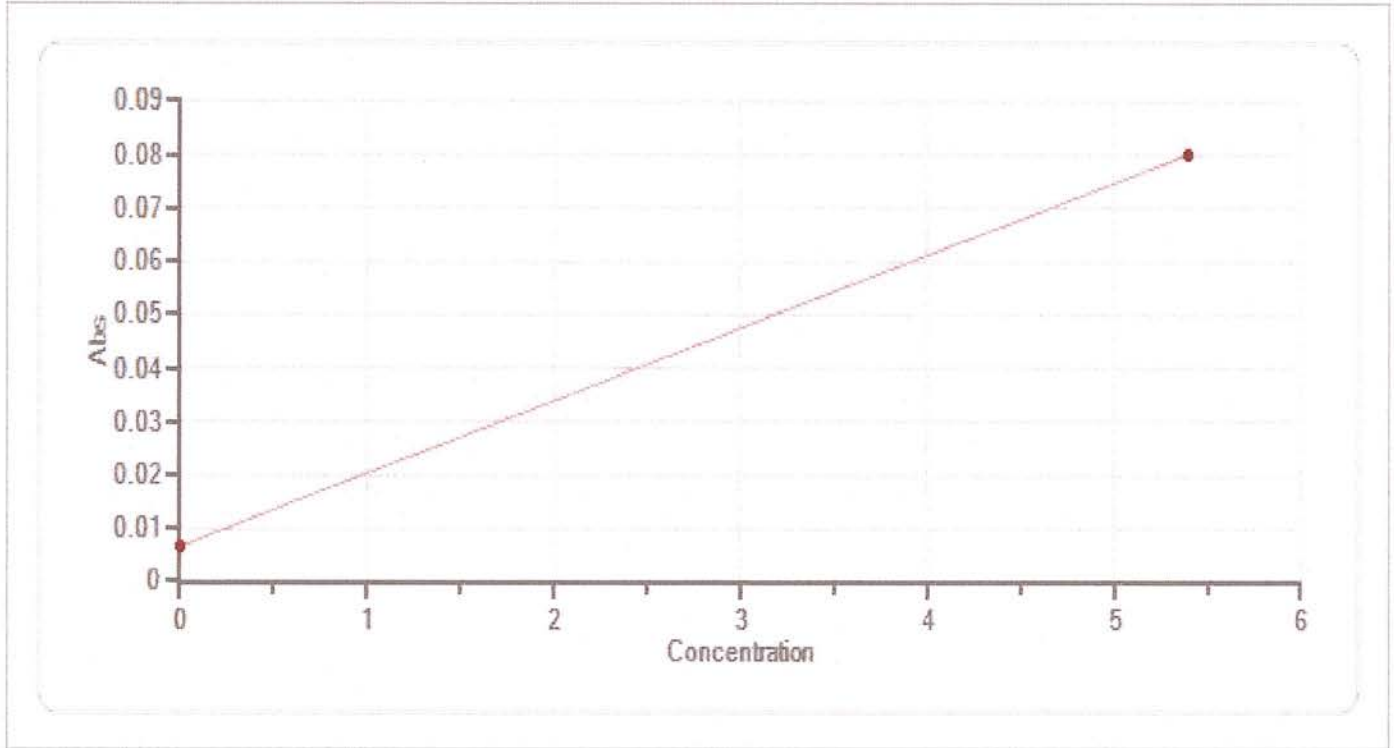
Curve Type : Linear

R1 Lot-Bottle No : S062366-326#0763

Calibration Date : 17-Sep-2023 08:54:05

R2 Lot-Bottle No : S062366-326#2144

Last Calibration Date : 25-Sep-2023 11:58:54



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0067	0.0000
-	XL MULTICAL	2301066B	5.390	0.0801	73.4332

Calibration - XL-200

Test : CHOL

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

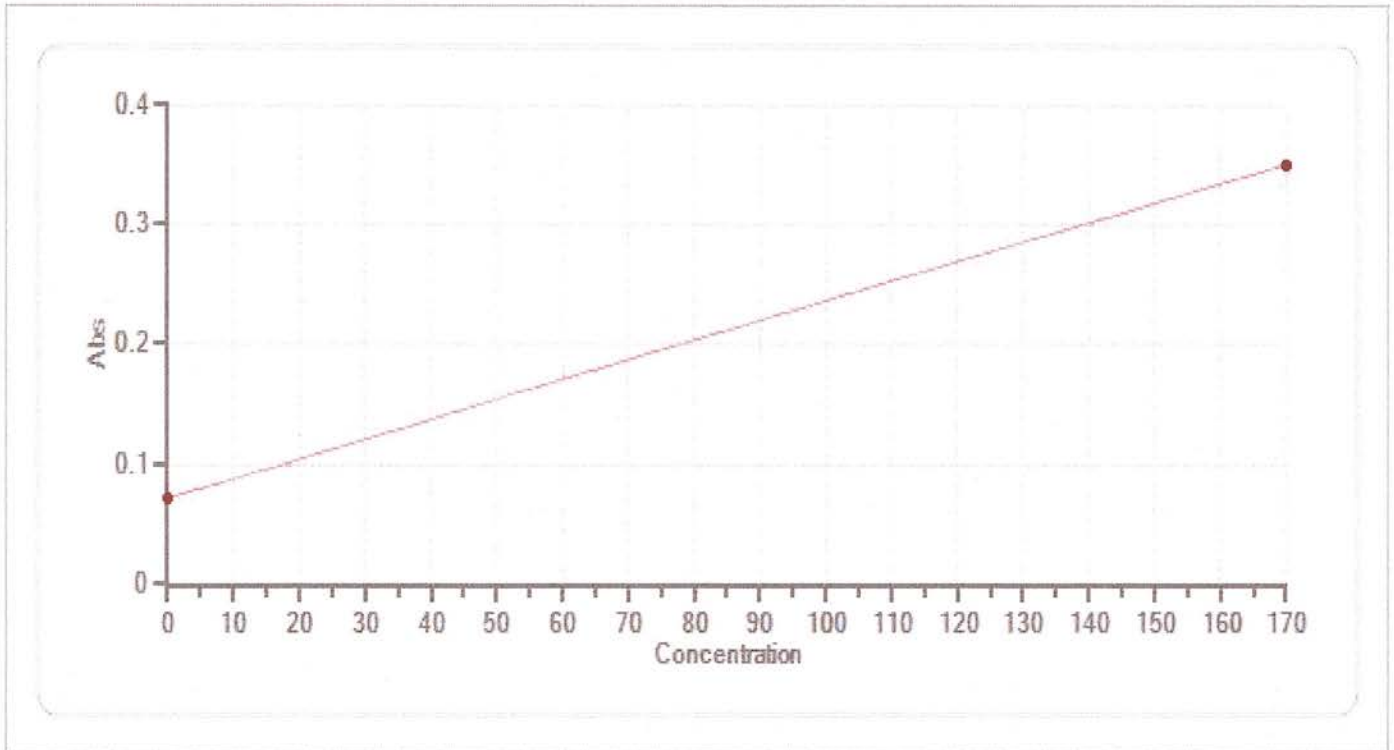
Curve Type : Linear

R1 Lot-Bottle No : S012329-303#5394

Calibration Date : 17-Sep-2023 08:50:10

R2 Lot-Bottle No : ---

Last Calibration Date : 24-Sep-2023 09:16:09



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0723	0.0000
-	XL MULTICAL	2301066B	170.000	0.3507	610.5225

Calibration - XL-200

Test : TRIG

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

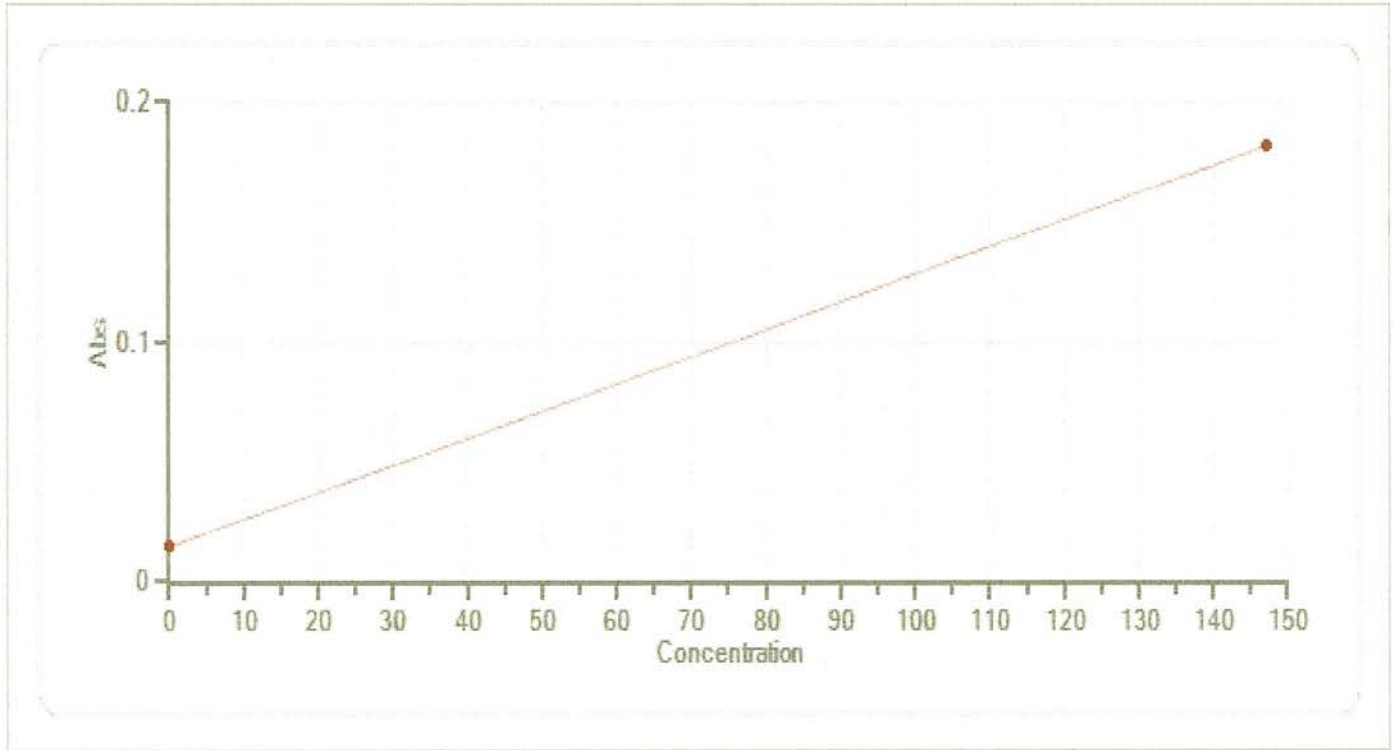
Curve Type : Linear

R1 Lot-Bottle No : S032312-311#0747

Calibration Date : 19-Sep-2023 09:02:15

R2 Lot-Bottle No : S032312-311#1227

Last Calibration Date : 25-Sep-2023 15:23:32



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0147	0.0000
-	XL MULTICAL	2301066B	147.000	0.1816	880.5031

Calibration - XL-200

Test : HDLC

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

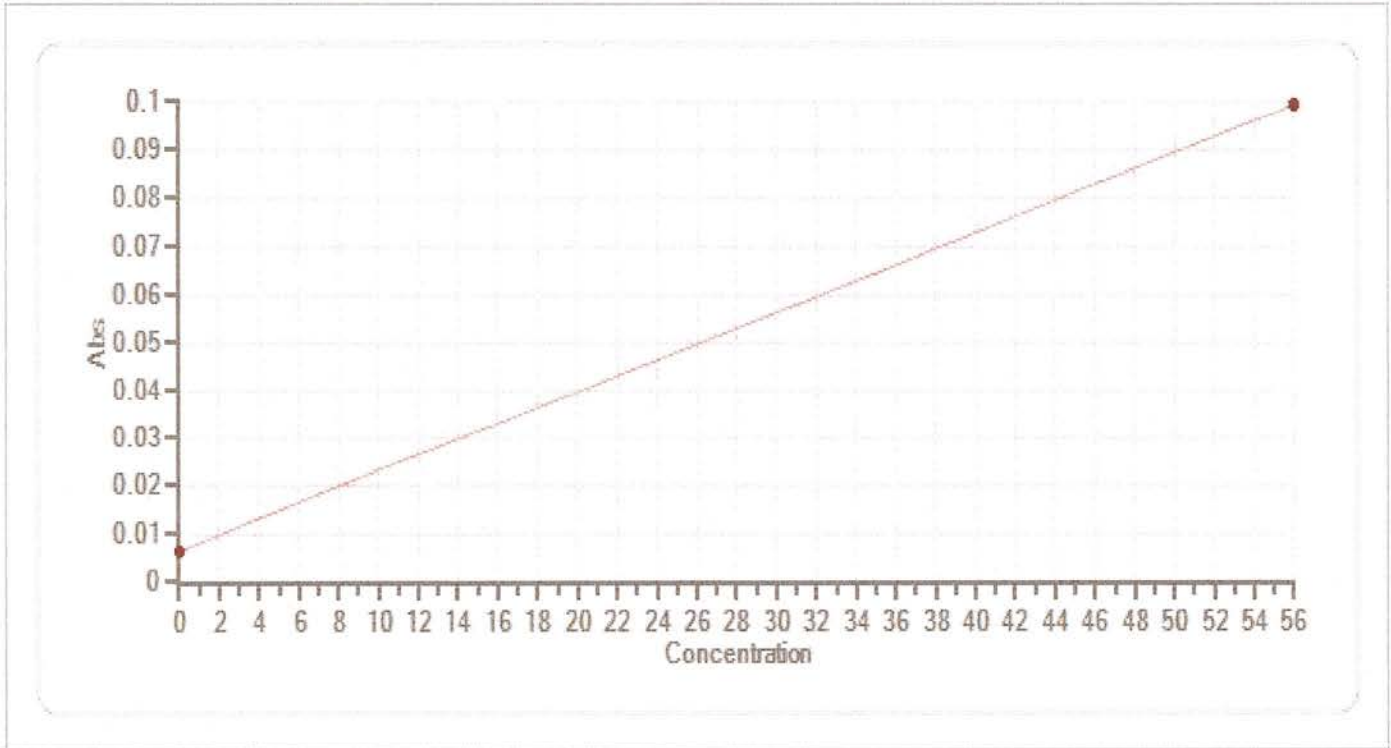
Curve Type : Linear

R1 Lot-Bottle No : S062315-323#1174

Calibration Date : 17-Sep-2023 10:36:12

R2 Lot-Bottle No : S062315-323#7482

Last Calibration Date : 17-Sep-2023 10:36:12



Pos	Consumable	LotNo.	Conc	Abs	Factor
-	DI WATER	745896	0.000	0.0066	0.0000
I-8	HDLC	S062315	56.000	0.0995	602.4745