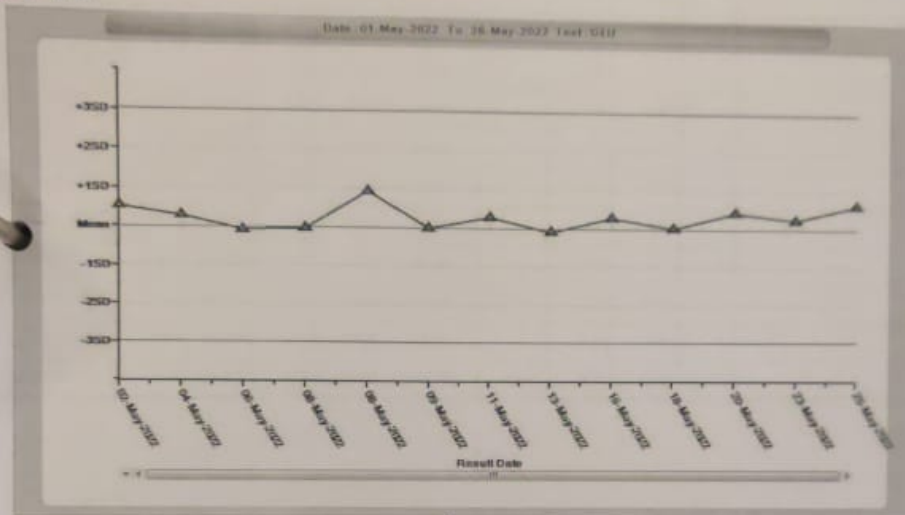


## QC Data - EM 200

Test : GLU  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 92.579  
 SD : 4.78

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	93.8	1.141	1.2164	3.4

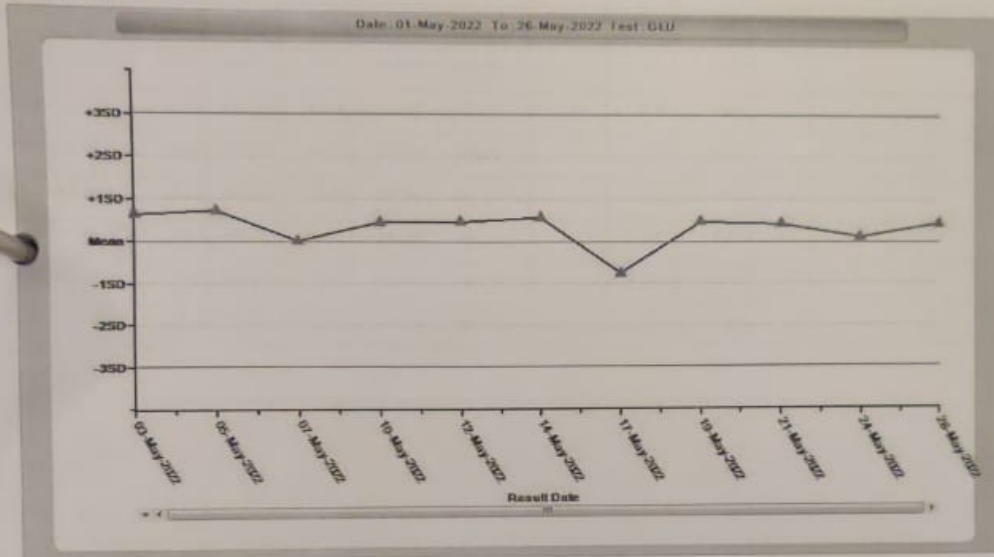
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	1	4.6	15.2565	331.663	4.6

## QC Data - EM 200

Test : GLU  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 254.335  
 SD : 13.12

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	258.6	5.3803	2.0805	19.3

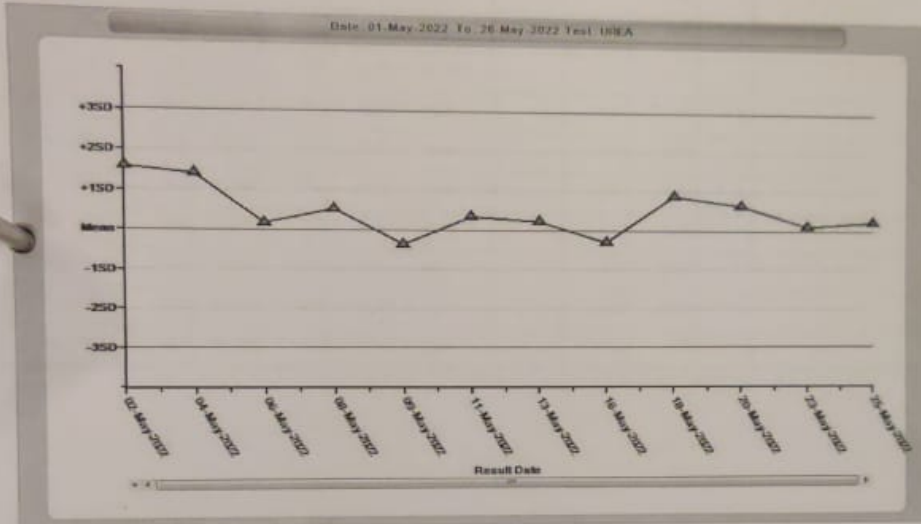
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0

## QC Data - EM 200

Test : UREA  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 35.068  
 SD : 1.7

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	35.9	1.0171	2.8331	3.3

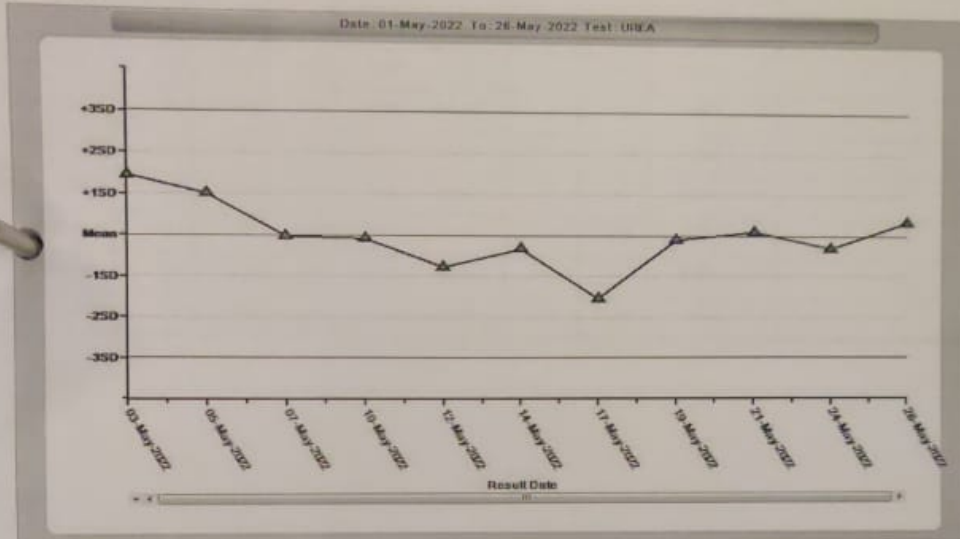
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	12	0	0	0	0

## QC Data - EM 200

Test : UREA  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 96.432  
 SD : 4.94

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	96.3	3.9661	4.1185	14.8

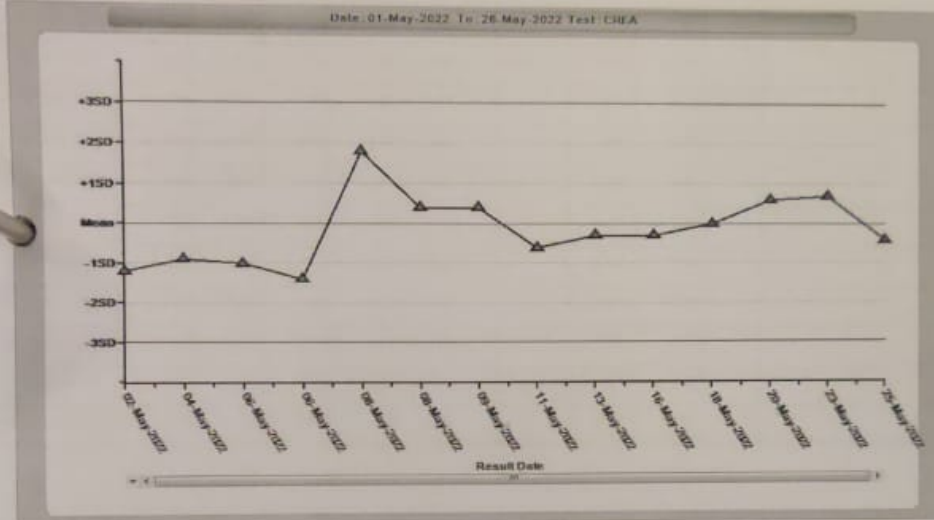
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0

## QC Data - EM 200

Test : CREA  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 1.303  
 SD : 0.1

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	1.28	0.0754	5.8906	0.23

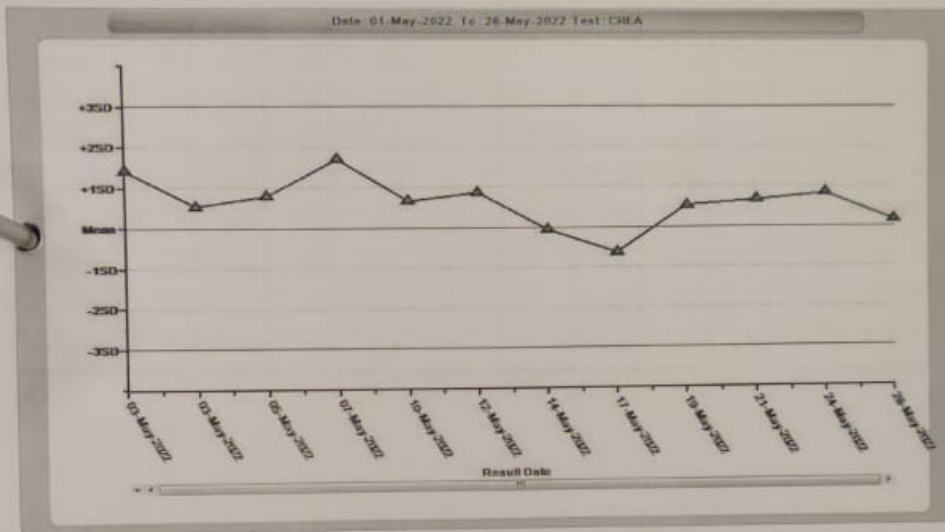
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	2	0.09	0.2074	230.4444	0.14

## QC Data - EM 200

Test : CREA  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 3.422  
 SD : 0.24

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	3.56	0.1447	4.0646	0.56

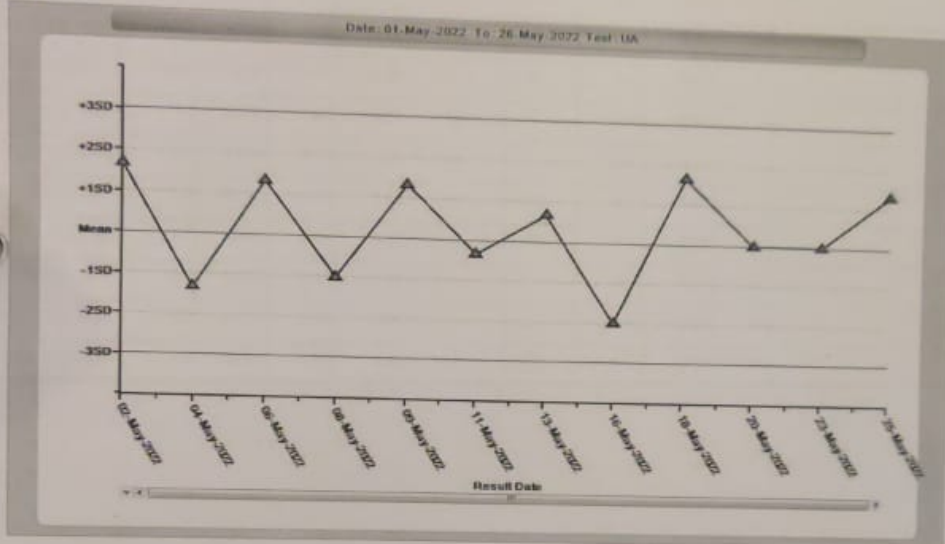
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	1	0.21	0.6641	316.2381	0.21

## QC Data - EM 200

Test : UA  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 6.232  
 SD : 0.3

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	6.3	0.3766	5.9778	1.1

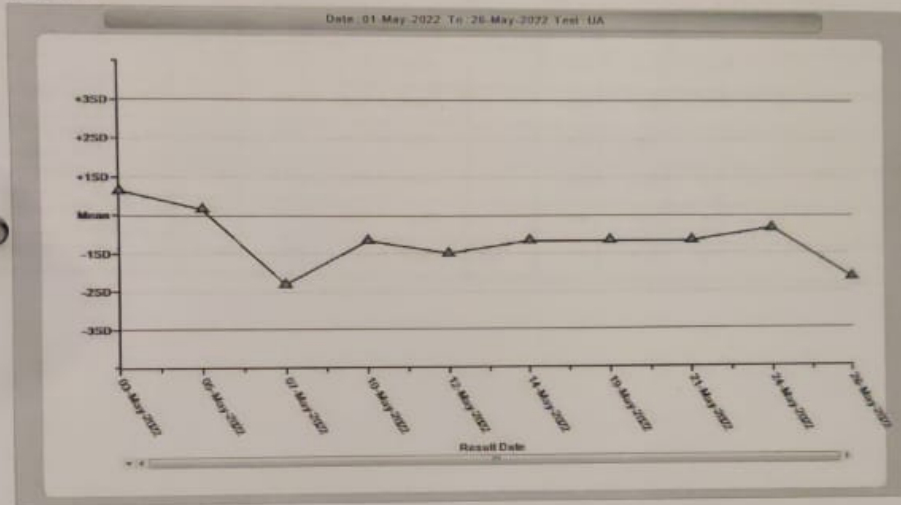
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	12	0	0	0	0

### QC Data - EM 200

Test : UA  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 11.561  
 SD : 0.61

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	10	11.2	0.4497	4.0152	1.5

R Calculation : R= Range of Result Variations per day :

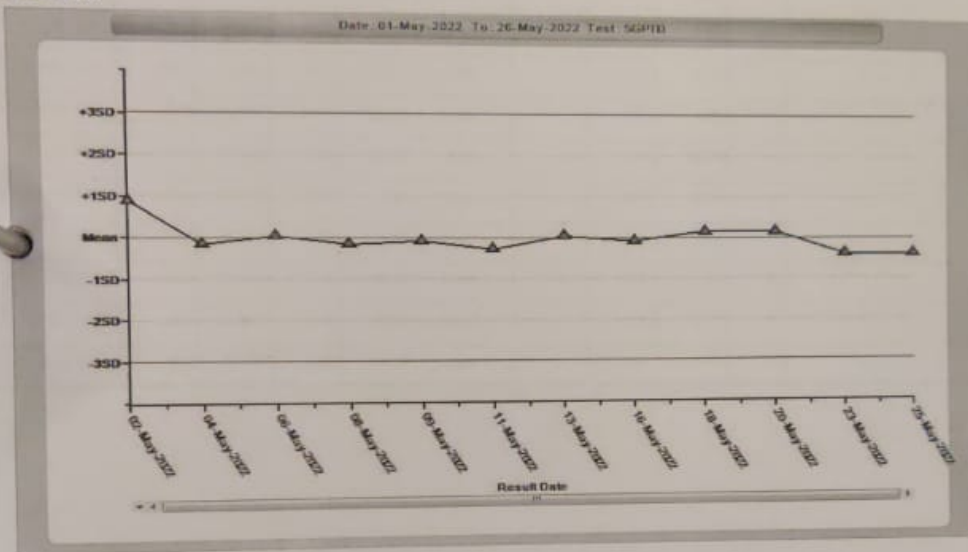
Level	N	Avg	SD	% CV	R
High	10	0	0	0	0



## QC Data - EM 200

Test : SGPTD  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 36.95  
 SD : 2.56

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	37	0.8801	2.3786	3.3

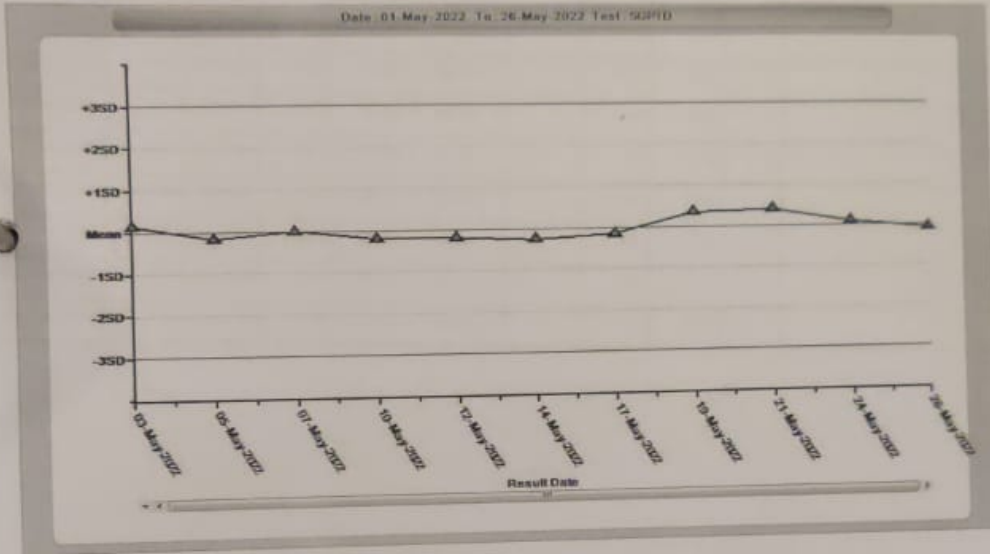
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	12	0	0	0	0

## QC Data - EM 200

Test : SGPTD  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 116.518  
 SD : 9.61

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	116.5	2.1638	1.8573	6.3

R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0

## QC Data - EM 200

Test : SGOTD

Control : ERBA NORM

Level : Normal

Lot No. : S06212125B

Batch No. : ---

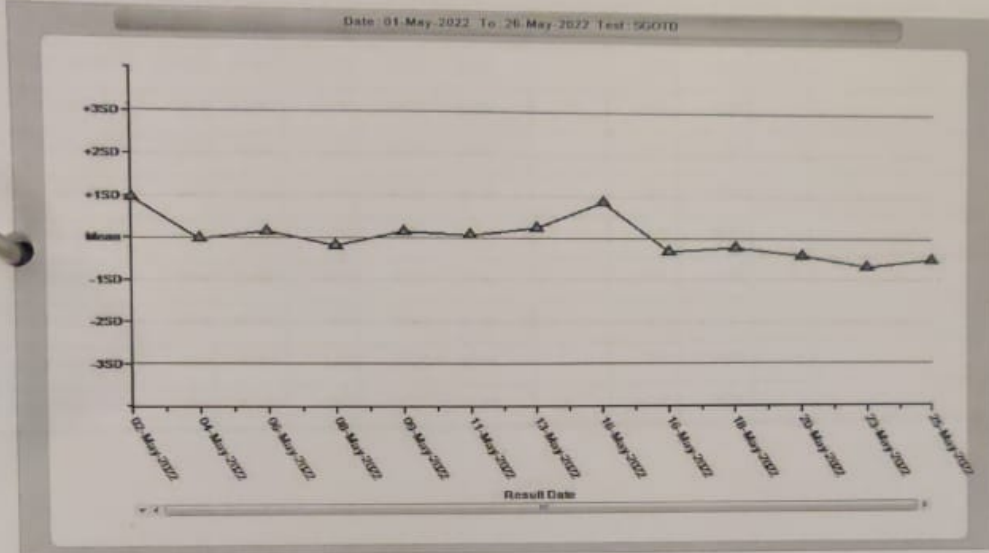
Mean : 47.931

SD : 3.23

Date From : 01-May-2022

Date To : 26-May-2022

ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	47.9	1.3997	2.9221	5.3

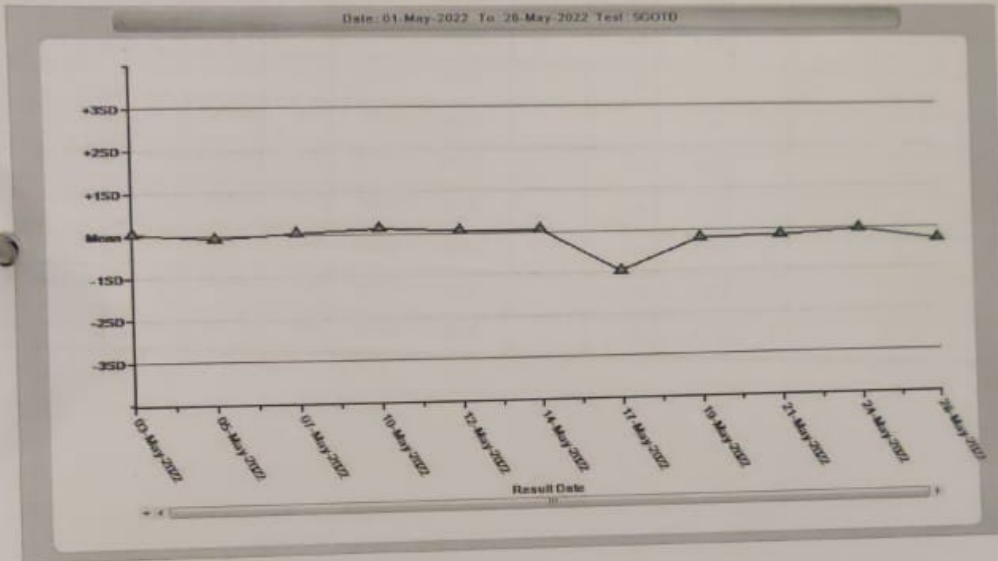
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	1	3.8	12.6032	331.6632	3.8

## QC Data - EM 200

Test : SGOTD  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 136.956  
 SD : 9.78

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	135.8	3.0038	2.2119	10.7

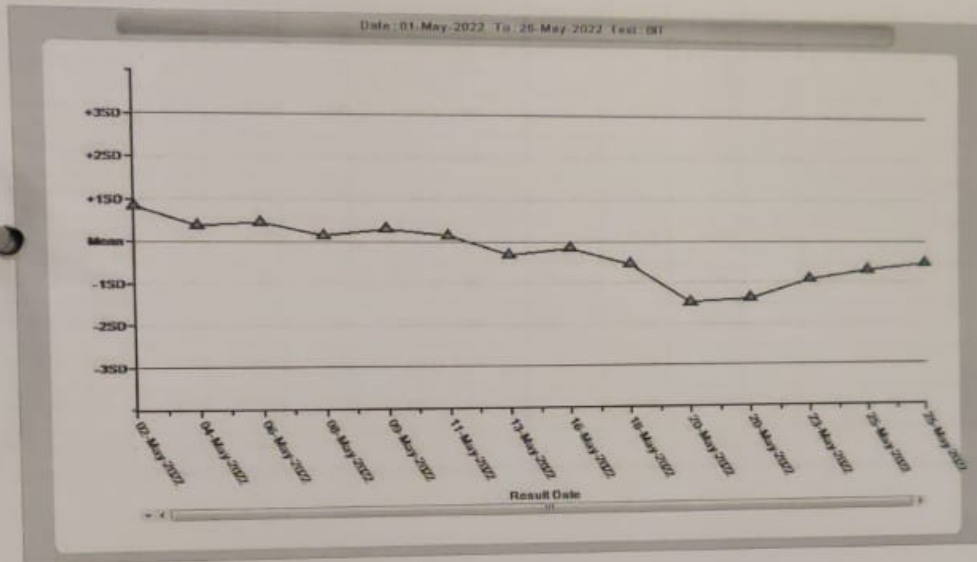
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0

## QC Data - EM 200

Test : BIT  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 1.414  
 SD : 0.13

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	1.39	0.0837	6.0216	0.29

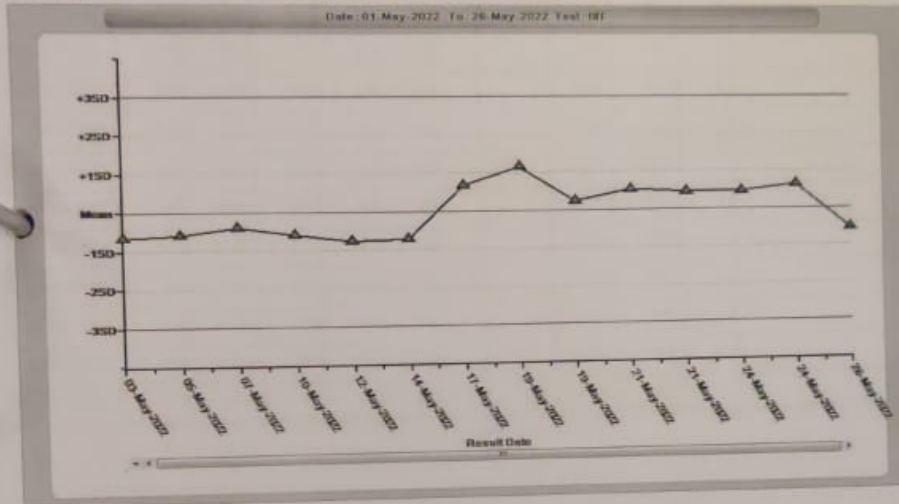
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	2	0.02	0.0453	226.5	0.02

## QC Data - EM 200

Test : BIT  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 4.569  
 SD : 0.41

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	4.5	0.2559	5.6867	0.6

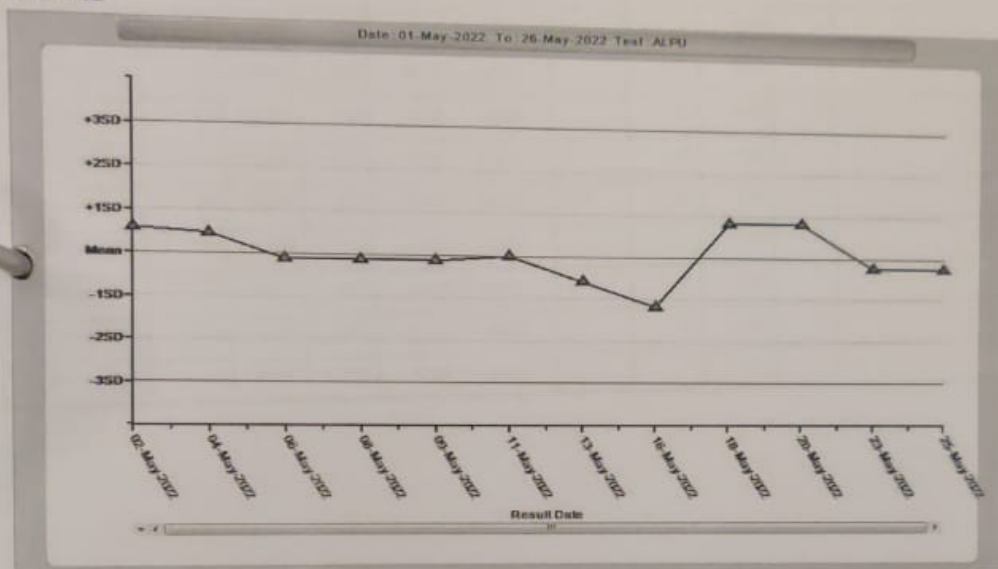
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	3	0.16	0.3022	188.875	0.37

## QC Data - EM 200

Test : ALPU  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 118.083  
 SD : 8.52

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	118	5	4.2373	17

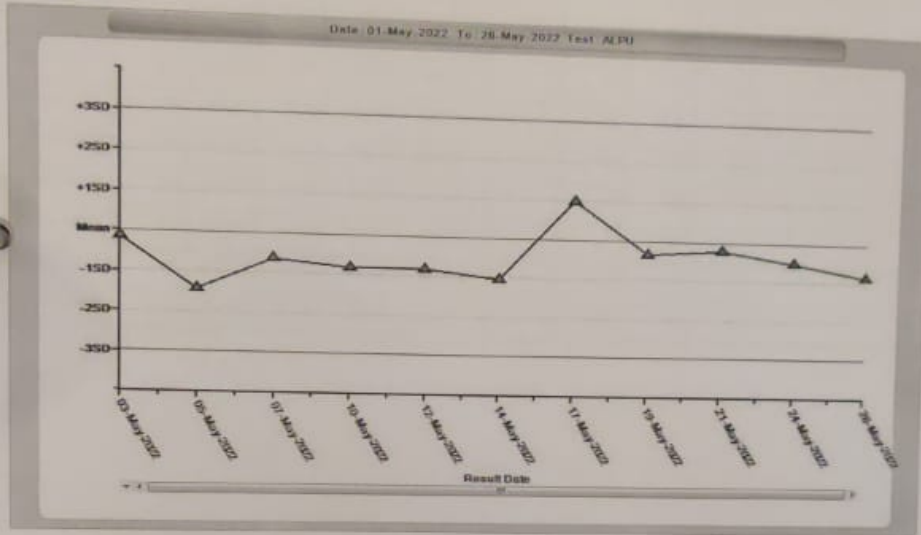
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	12	0	0	0	0

## QC Data - EM 200

Test : ALPU  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 481.591  
 SD : 33.02

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	465	20,7509	4.4626	80

R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0



## QC Data - EM 200

Test : PRO  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 6.063  
 SD : 0.31

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	6.21	0.2635	4.2432	0.76

R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	2	0.26	0.5835	224.4231	0.31

## QC Data - EM 200

Test : PRO  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 9.552  
 SD : 0.46

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	10	9.49	0.4262	4.491	1.45

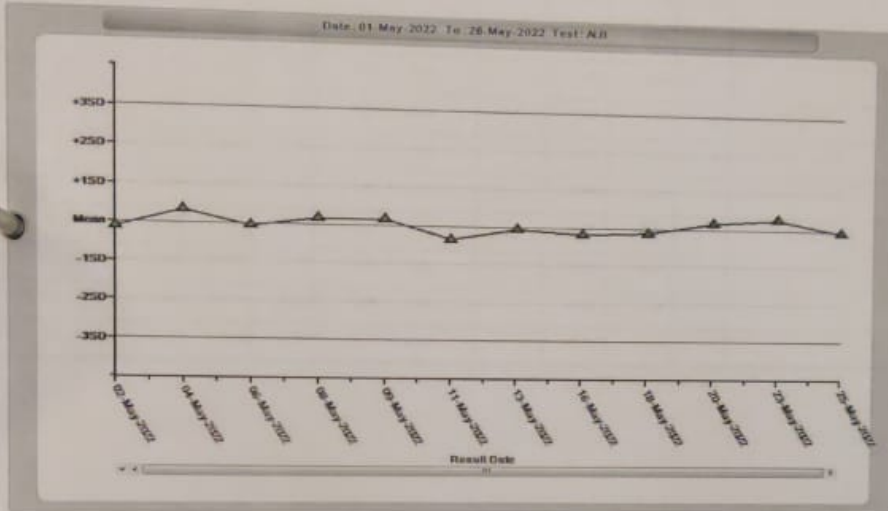
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	4	0.6	0.9907	165.1167	1.74

## QC Data - EM 200

Test : ALB  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 3.613  
 SD : 0.18

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	3.61	0.0362	1.0028	0.12

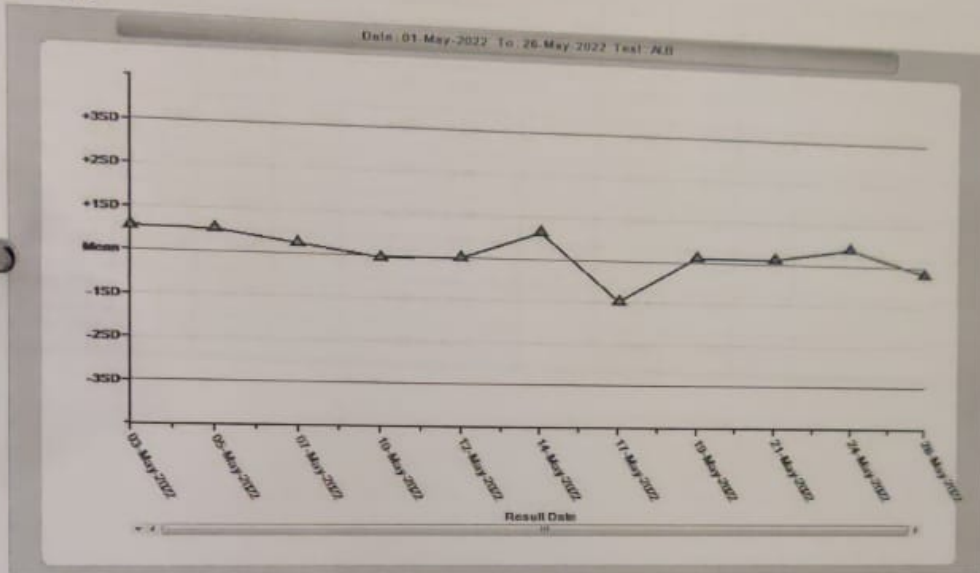
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	12	0	0	0	0

## QC Data - EM 200

Test : ALB  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 5.041  
 SD : 0.25

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	5.07	0.1118	2.2051	0.4

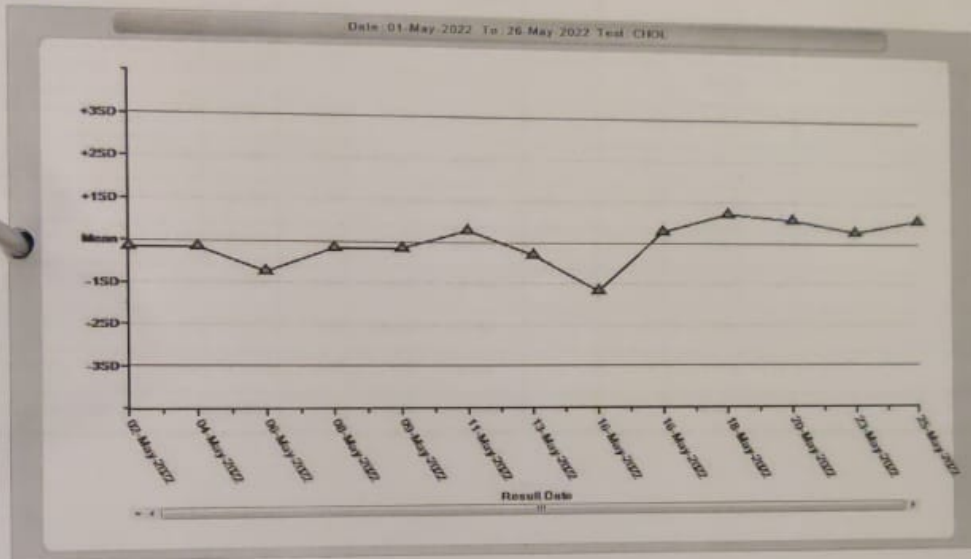
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0

## QC Data - EM 200

Test : CHOL  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 137  
 SD : 6.88

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	137	3.1189	2.2766	10

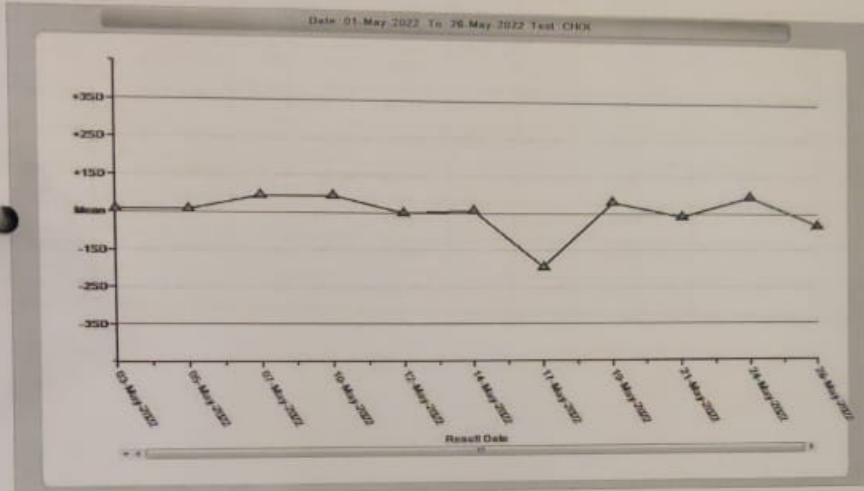
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	1	10	33.1662	331.662	10

### QC Data - EM 200

Test : CHOL  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 246.815  
 SD : 13.21

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	247	7.1063	2.877	25

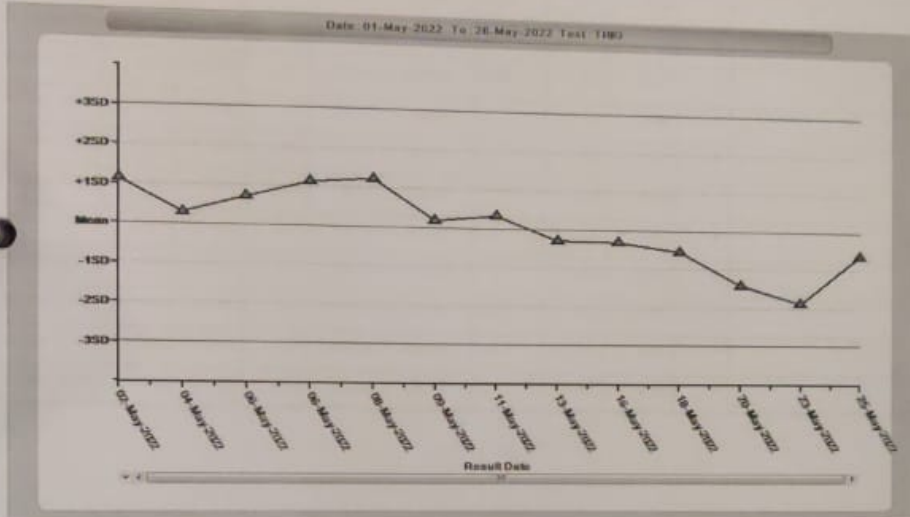
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	11	0	0	0	0

## QC Data - EM 200

Test : TRIG  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 117.292  
 SD : 5.67

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	116.9	5.4738	4.6825	17.7

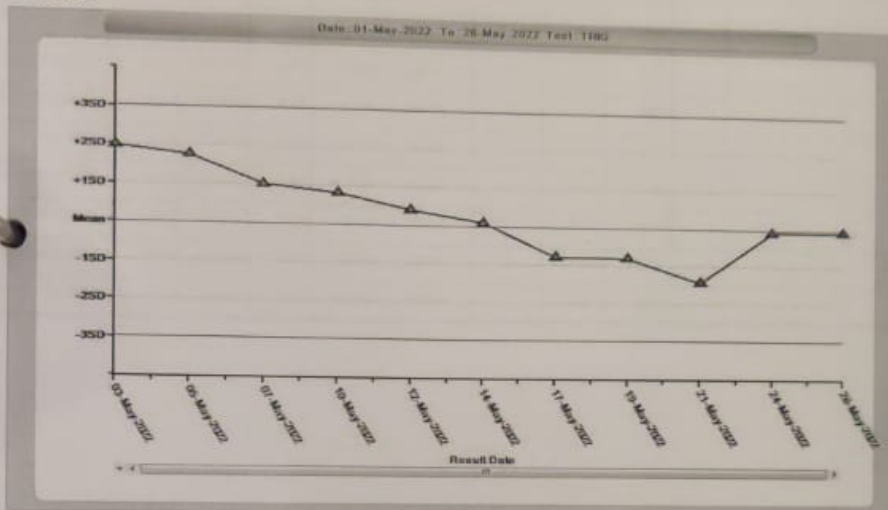
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	1	2.3	7.6282	331.6609	2.3

## QC Data - EM 200

Test : TRIG  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 158.404  
 SD : 8.52

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	11	160.7	9.0882	5.6554	29

R Calculation : R= Range of Result Variations per day :

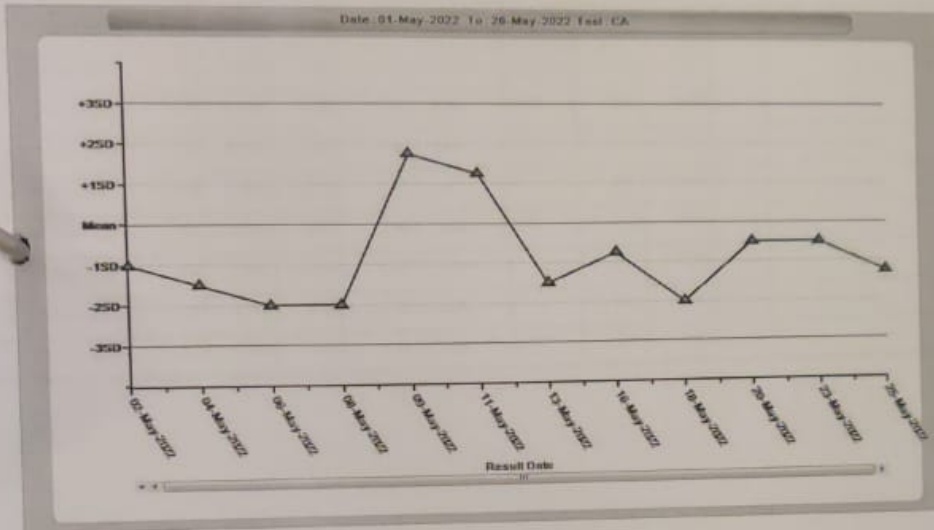
Level	N	Avg	SD	% CV	R
High	11	0	0	0	0



## QC Data - EM 200

Test : CA  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 8.355  
 SD : 0.4

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	8.1	0.4899	6.0481	1.5

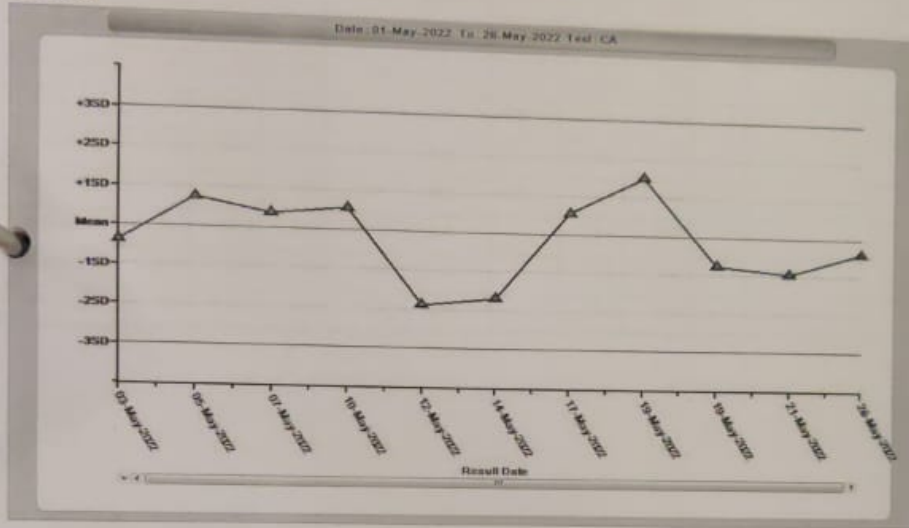
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	12	0	0	0	0

## QC Data - EM 200

Test : CA  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 11.073  
 SD : 0.53

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	10	11	0.5142	4.6745	1.4

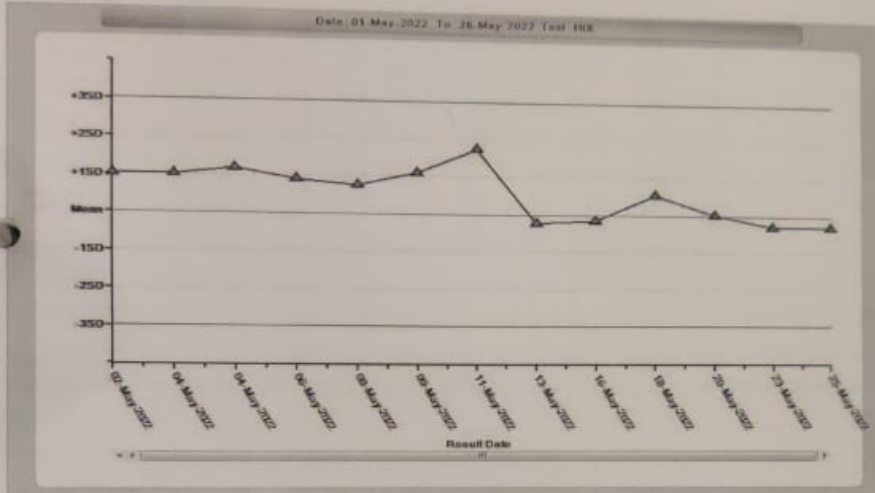
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	1	1.2	3.6	300	1.2

### QC Data - EM 200

Test : HDL  
 Control : ERBA NORM  
 Level : Normal  
 Lot No. : S06212125B  
 Batch No. : ---  
 Mean : 44.595  
 SD : 2.86

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate : 11-Nov-2023



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
Normal	12	46.1	1.9601	4.2518	5.8

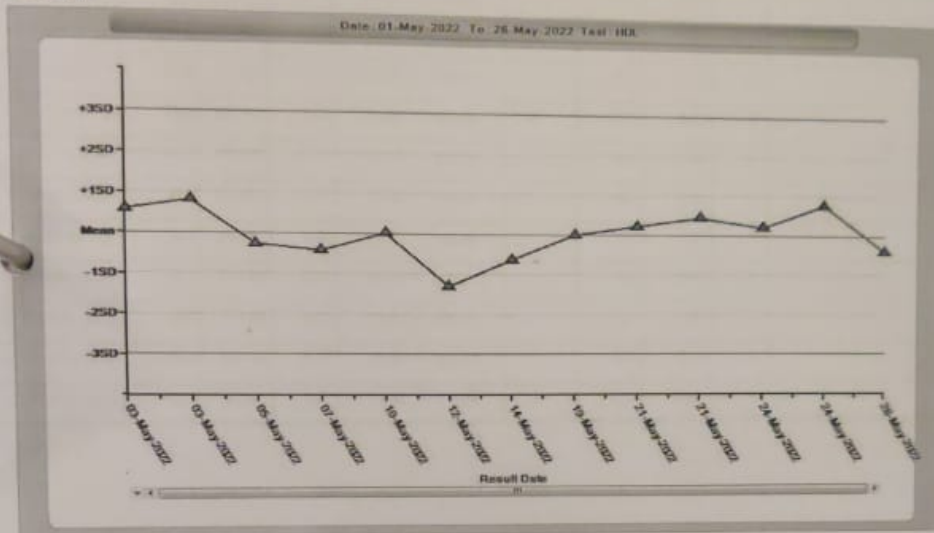
R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
Normal	1	0.5	1.6583	331.66	0.5

## QC Data - EM 200

Test : HDL  
 Control : Erba Path  
 Level : High  
 Lot No. : B072020A  
 Batch No. : ---  
 Mean : 88.146  
 SD : 5.77

Date From : 01-May-2022  
 Date To : 26-May-2022  
 ExpDate :30-Nov-2022



X Calculation : R= Range of average of Results per day :

Level	N	Avg	SD	% CV	R
High	10	87.3	3.3993	3.8938	11.6

R Calculation : R= Range of Result Variations per day :

Level	N	Avg	SD	% CV	R
High	3	2	3.1974	159.87	3.3

**TRANSASIA<sup>®</sup>**

Transasia Bio-Medicals Ltd., Transasia House, 8 Chandivali Studio Road, Andheri (East), Mumbai - 400 072  
Tel: +91 22 4030 9000 Fax: +91 22 2857 3030 Email : transasia@transasia.co.in CIN : U33110MH1985PLC036198



Date : 03<sup>rd</sup> February '2022

**Rapid Laboratories,  
Patiala**

Dear Sir,

As desired by you please find enclosed herewith the Calibration report

1. Instrument & Serial No.: **EM-200-Serial No.B2001155.**
2. Range of the instrument: Optical density Linear form 0-3.5 A
3. Precision & Accuracy study on EM-200 done on 03-02-2022 & valid upto 02-02-2023.

Precision with Potassium Dichromate (  $K_2Cr_2O_7$  )

Reagent / Sample ratio -

Cup Position	Replicates	Absorbance (X)	SD	CV
Cup 1	20	1.5642 OD	0.0059	0.48%
Cup 2	20	1.5869 OD	0.0071	0.52%
Cup 3	20	1.5989 OD	0.0073	0.51%

**Accuracy study with Potassium Dichromate (  $K_2Cr_2O_7$  ) in comparision with XL-200**

Wavelengths scan on Referral Spectrophotometer for Potassium Dichromate (  $K_2Cr_2O_7$  )



Contd..2

**TRANSASIA<sup>®</sup>**

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::2::

Wavelength	Spectrophotometer OD	
	Low	High
335	0.1886	1.7357
336	0.1980	1.7442
337	0.1989	1.7689
338	0.2010	1.7822
339	0.2036	1.8100
340	0.2076	1.8496
341	0.2189	1.8703
342	0.2285	1.9113
343	0.2298	1.9468
344	0.2312	1.9720
345	0.2376	2.0154



Contd...3



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**Test of Potassium Dichromate (K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>) on XL-200**

Pipetted/Measured by XL 200		Manually Pipettes		Manually pipetted & read in Autospan	
Low	High	Low	High	Low	High
0.2032	1.8208	0.1862	1.8689	0.2121	1.9539

This instrument is manufactured in accordance with the European law in force, in particular to "Electricity Safety" EN 610101 and "Electromagnetic Compatibility" EN 61326 Standards.

Pressure	Ideal	Actual
	0.9 bar	0.90bar
Lamp Voltage	12 V	12.01 V
Temperature	37° C	37° C

Photometer Calibraion Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	NA	686
405	NA	470
505	NA	563
546	NA	480
578	NA	529
600	NA	426
660	NA	395
700	NA	430



Contd...4




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The instrument does photometer check before each batch of tests is run. It will give an error message if the photometer test fails and it will not run any samples.

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

Yours faithfully,

For **TRANSASIA BIO-MEDICALS LTD.**

  
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