

Quality Control (LJ) Chart

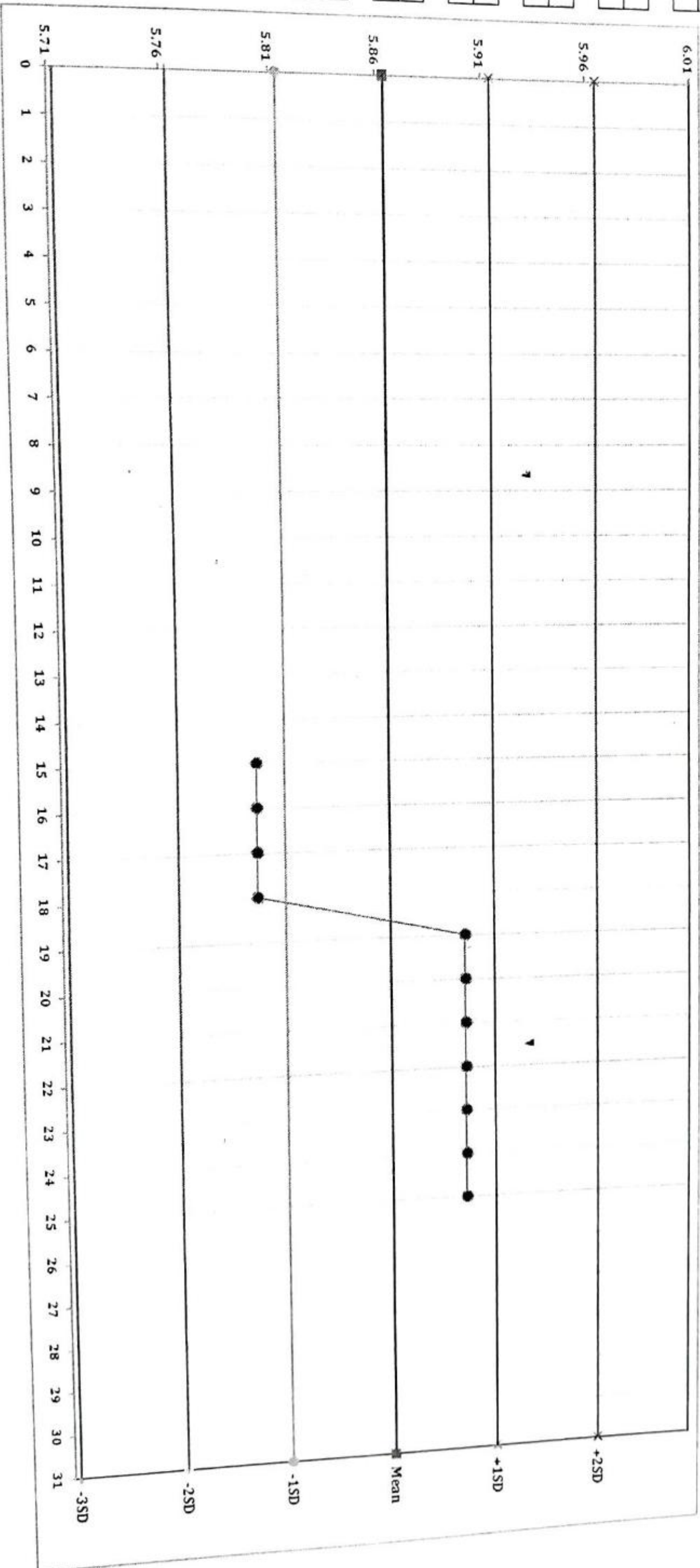
Month **MARCH**

Year **2022**

Test	HB	Machine	SEWLAB
Control	LOW		
Lot	B0222L		

SL No	Result
15	5.8
16	5.8
17	5.8
18	5.8
19	5.9
20	5.9
21	5.9
22	5.9
23	5.9
24	5.9
25	5.9

SD	0.05
Mean	5.86
(+) 3SD	6.01
(+) 2SD	5.96
(+) 1SD	5.91
(-) 1SD	5.81
(-) 2SD	5.76
(-) 3SD	5.71



Quality Control (LJ) Chart

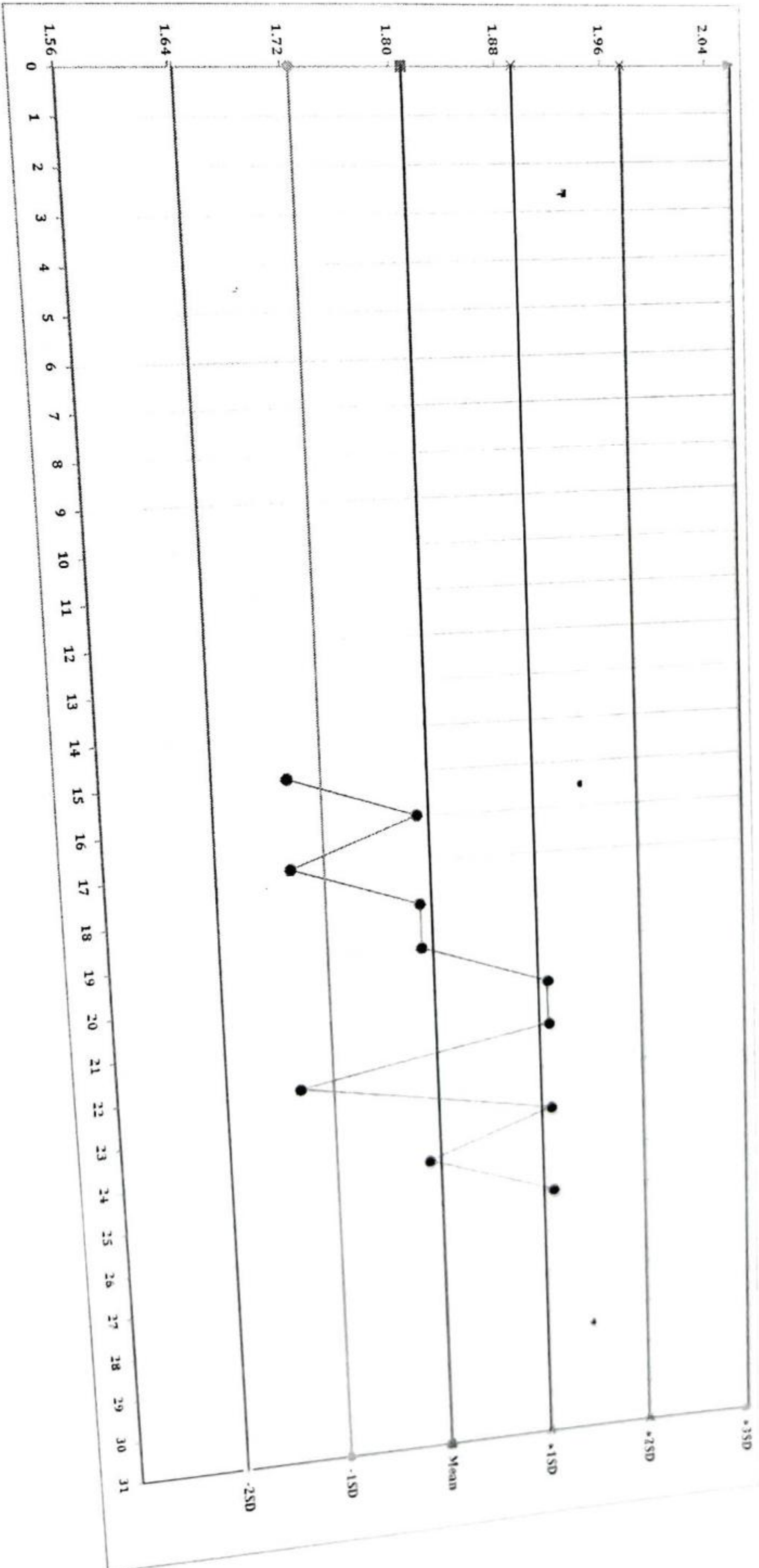
Test	TLC	Machine	SEWELAB
Control	LOW		
Lot	B0222L		

Month MARCH

Year 2022

SL No	Result
15	1.7
16	1.8
17	1.7
18	1.8
19	1.8
20	1.9
21	1.9
22	1.7
23	1.9
24	1.8
25	1.9

SD	0.08
Mean	1.81
(+) 3SD	2.06
(+) 2SD	1.98
(+) 1SD	1.89
(-) 1SD	1.73
(-) 2SD	1.64
(-) 3SD	1.56



[Handwritten Signature]

Quality Control (LJ) Chart

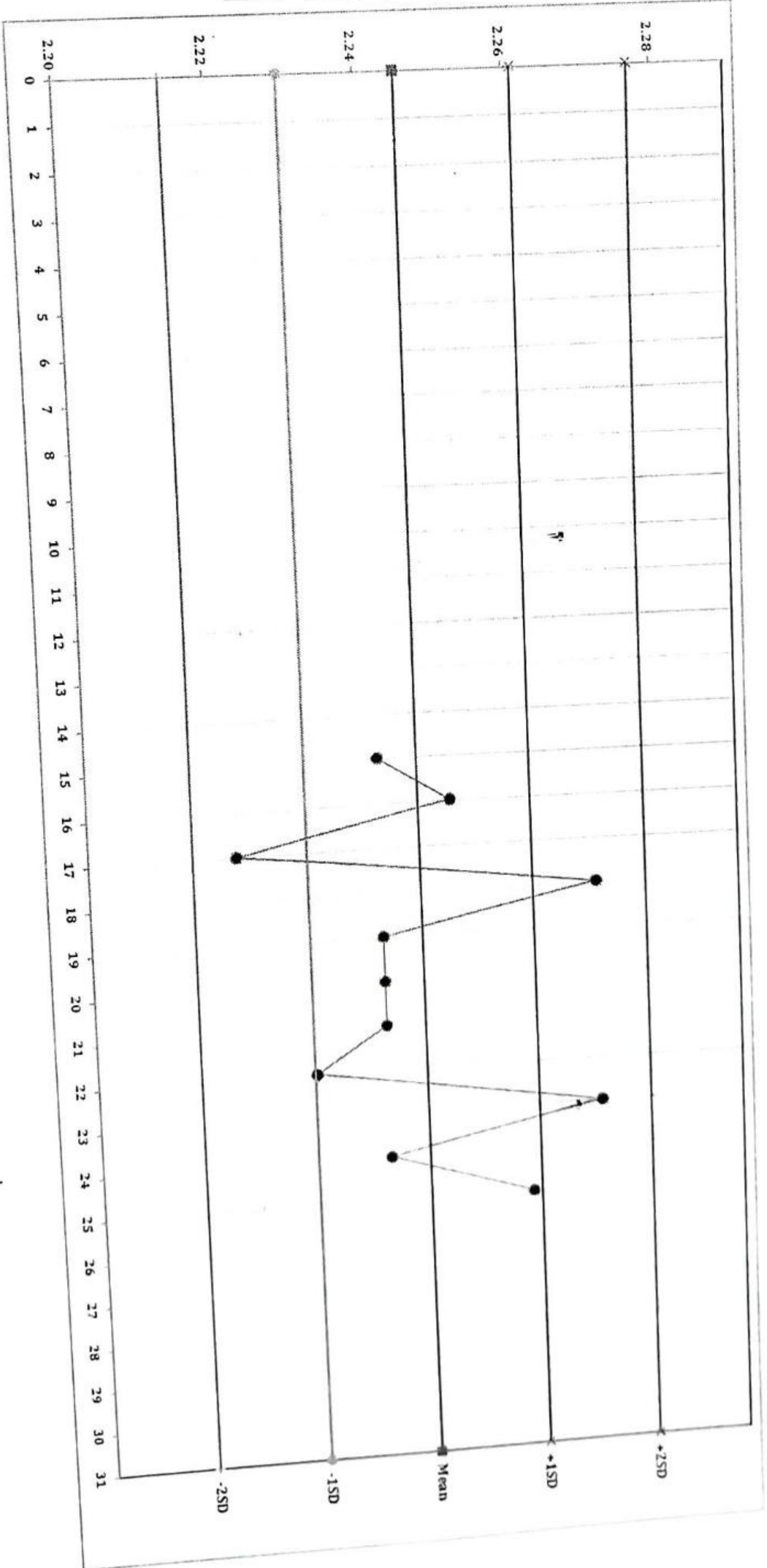
Test	RBC	Machine	SEW/LAB
Control	LOW		
Lot	B0222L		

Month MARCH

Year 2022

SL.No	Result
15	2.24
16	2.25
17	2.22
18	2.27
19	2.2
20	2.2
21	2.2
22	2.2
23	2.3
24	2.2
25	2.3

SD	0.02
Mean	2.25
(+) 3SD	2.29
(+) 2SD	2.28
(-) 1SD	2.26
(-) 2SD	2.23
(-) 3SD	2.20



Handwritten signature

Quality Control (LJ) Chart

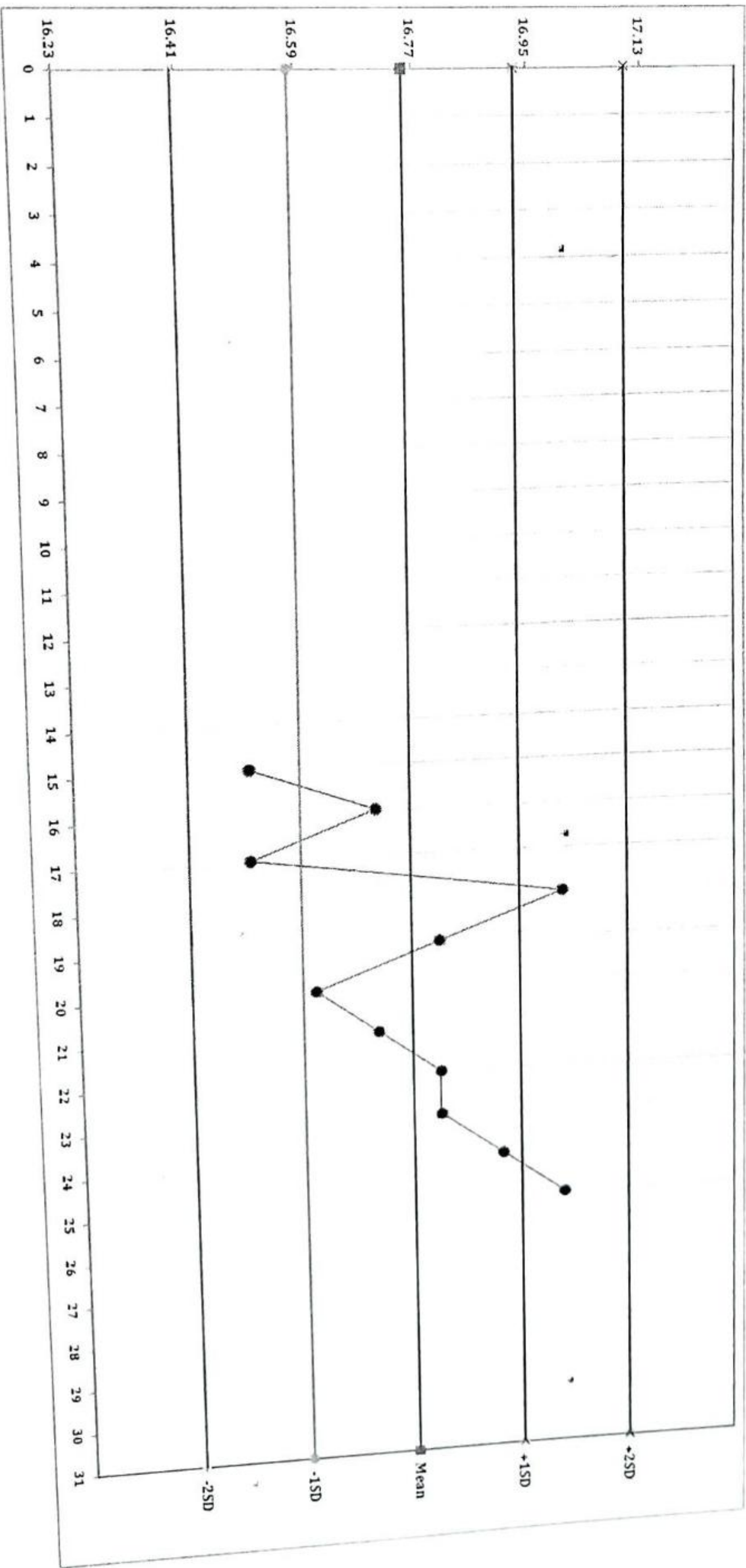
Month MARCH

Year 2022

Test	PCV	Machine	SEWLAB
Control	LOW		
Lot	B0222L		

SL No	Result
15	16.5
16	16.7
17	16.5
18	17
19	16.8
20	16.6
21	16.7
22	16.8
23	16.8
24	16.9
25	17.0

SD	0.18
Mean	16.75
(+) 3SD	17.28
(+) 2SD	17.11
(+) 1SD	16.93
(-) 1SD	16.58
(-) 2SD	16.40
(-) 3SD	16.23



[Handwritten Signature]

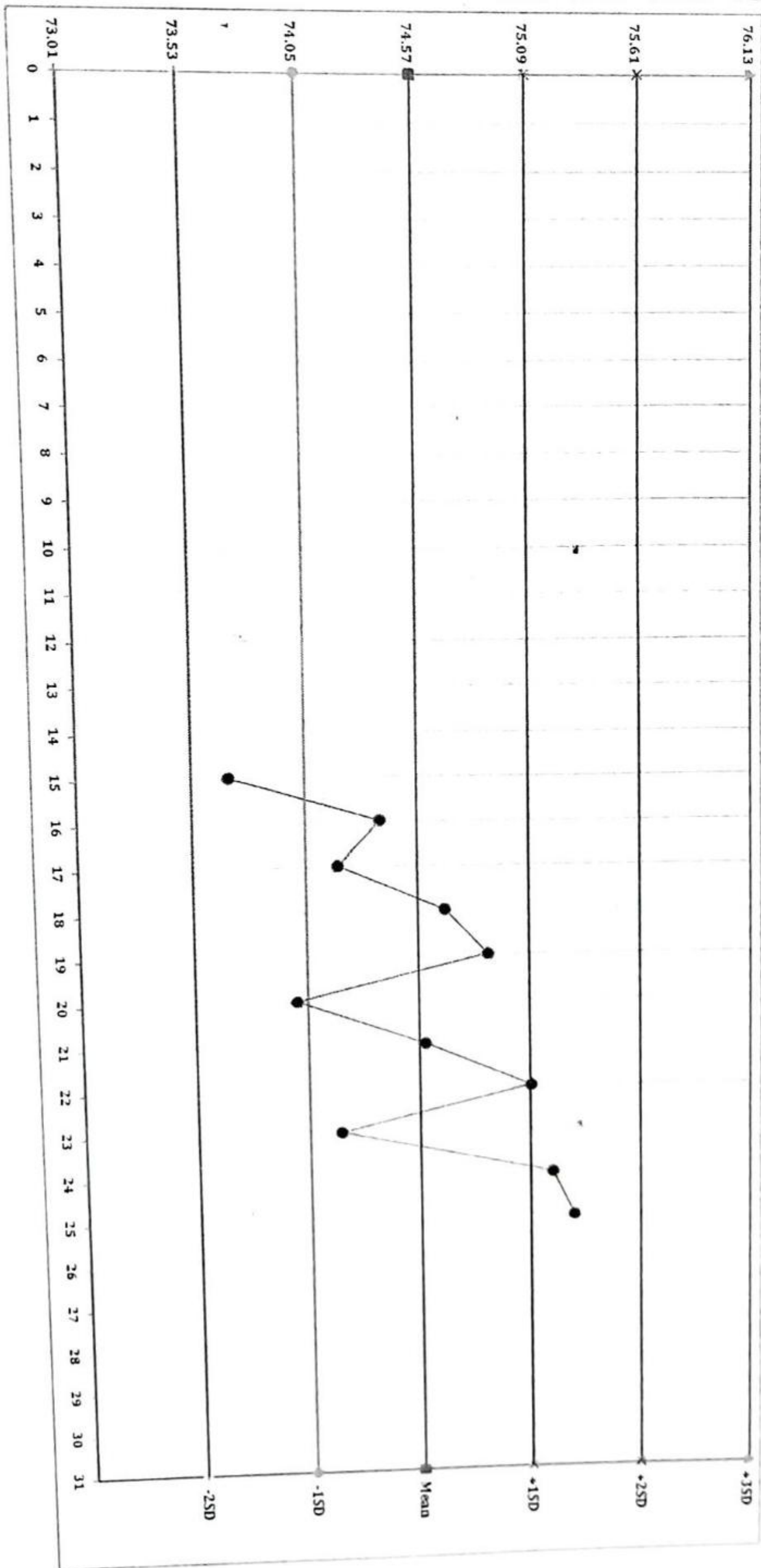
Month MARCH

Year 2022

Quality Control (LJ) Chart

Test	MCV	Machine	SEWLAB
Control	LOW		
Lot	B022L		

SL No	Result	SD
15	73.7	0.52
16	74.4	Mean
17	74.2	74.57
18	74.7	
19	74.9	(+) 3SD
20	74.0	76.14
21	74.6	
22	75.1	(+) 2SD
23	74.2	75.62
24	75.2	(-) 1SD
25	75.3	75.09
		(-) 2SD
		73.53
		(-) 3SD
		73.01



[Handwritten Signature]

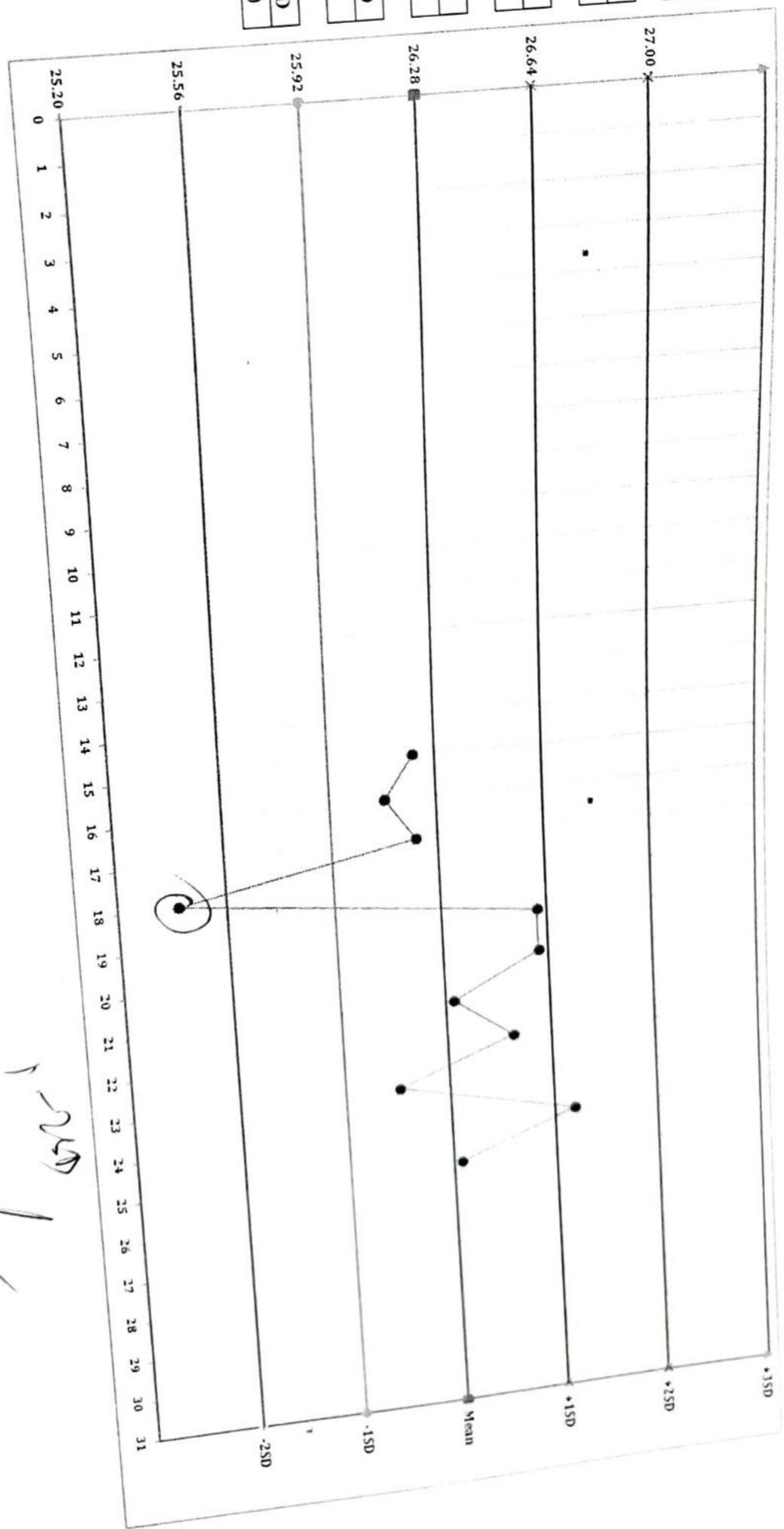
Month MARCH

Year 2022

Quality Control (LJ) Chart

Test	MCH	Machine	SEWL,AB
Control	LOW		
Lot	B0222L		

SL No	Result	SD
15	26.2	0.36
16	26.1	Mean
17	26.2	26.27
18	25.4	(+) 3SD
19	26.6	27.35
20	26.6	(+) 2SD
21	26.3	26.99
22	26.5	(+) 1SD
23	26.1	26.63
24	26.7	(-) 1SD
25	26.3	25.91
		(-) 2SD
		25.56
		(-) 3SD
		25.20



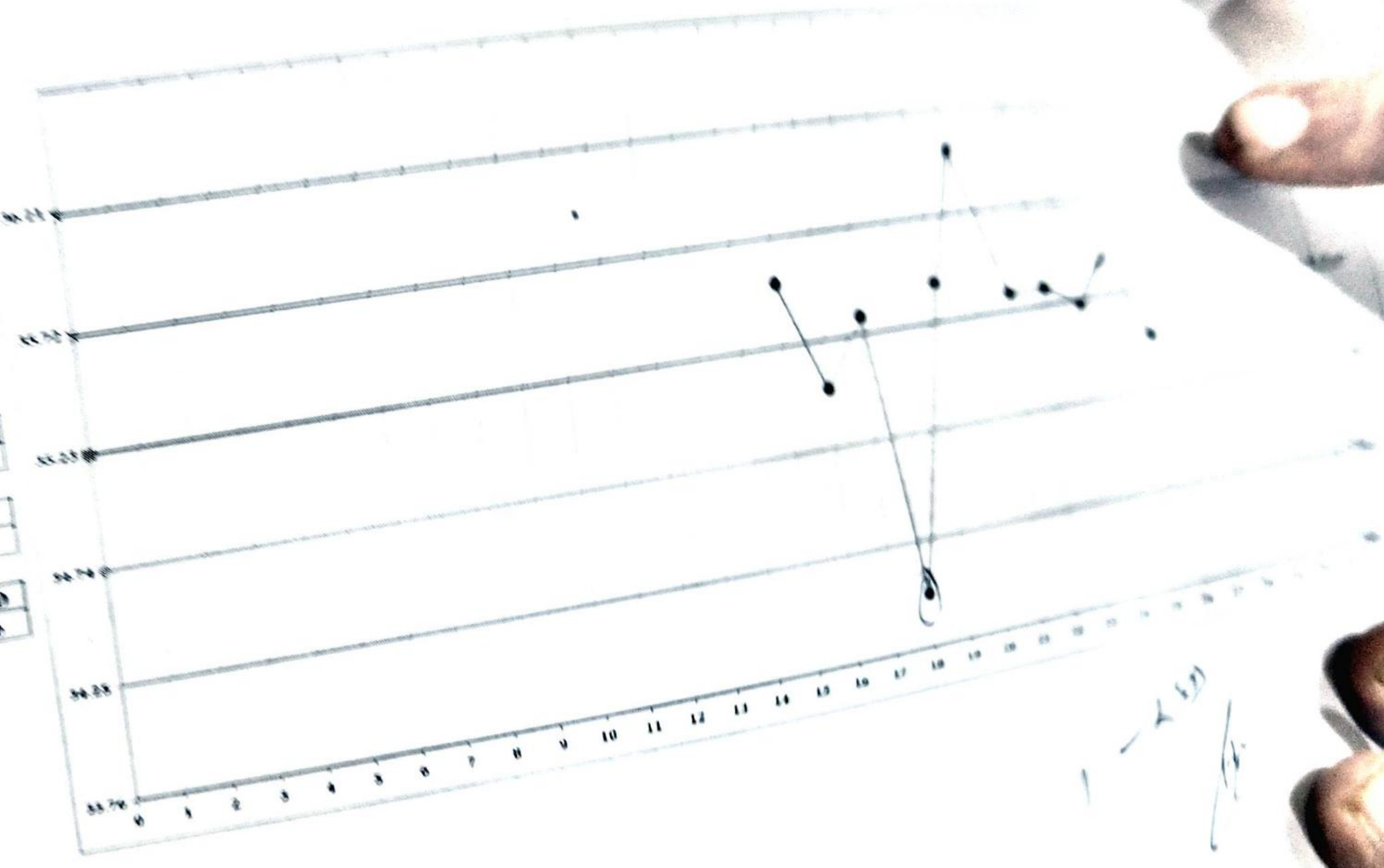
Handwritten signature and date: 1-2-2022

Quality Control Chart

Test	AP 16	Machine (NEW)
Control	1.0M	
Lot	1002224	

AP 16

Time	Temp	AP
00:00	25.0	1.0
00:05	25.0	1.0
00:10	25.0	1.0
00:15	25.0	1.0
00:20	25.0	1.0
00:25	25.0	1.0
00:30	25.0	1.0
00:35	25.0	1.0
00:40	25.0	1.0
00:45	25.0	1.0
00:50	25.0	1.0
00:55	25.0	1.0
01:00	25.0	1.0
01:05	25.0	1.0
01:10	25.0	1.0
01:15	25.0	1.0
01:20	25.0	1.0
01:25	25.0	1.0
01:30	25.0	1.0
01:35	25.0	1.0
01:40	25.0	1.0
01:45	25.0	1.0
01:50	25.0	1.0
01:55	25.0	1.0
02:00	25.0	1.0
02:05	25.0	1.0
02:10	25.0	1.0
02:15	25.0	1.0
02:20	25.0	1.0
02:25	25.0	1.0
02:30	25.0	1.0
02:35	25.0	1.0
02:40	25.0	1.0
02:45	25.0	1.0
02:50	25.0	1.0
02:55	25.0	1.0
03:00	25.0	1.0
03:05	25.0	1.0
03:10	25.0	1.0
03:15	25.0	1.0
03:20	25.0	1.0
03:25	25.0	1.0
03:30	25.0	1.0
03:35	25.0	1.0
03:40	25.0	1.0
03:45	25.0	1.0
03:50	25.0	1.0
03:55	25.0	1.0
04:00	25.0	1.0
04:05	25.0	1.0
04:10	25.0	1.0
04:15	25.0	1.0
04:20	25.0	1.0
04:25	25.0	1.0
04:30	25.0	1.0
04:35	25.0	1.0
04:40	25.0	1.0
04:45	25.0	1.0
04:50	25.0	1.0
04:55	25.0	1.0
05:00	25.0	1.0

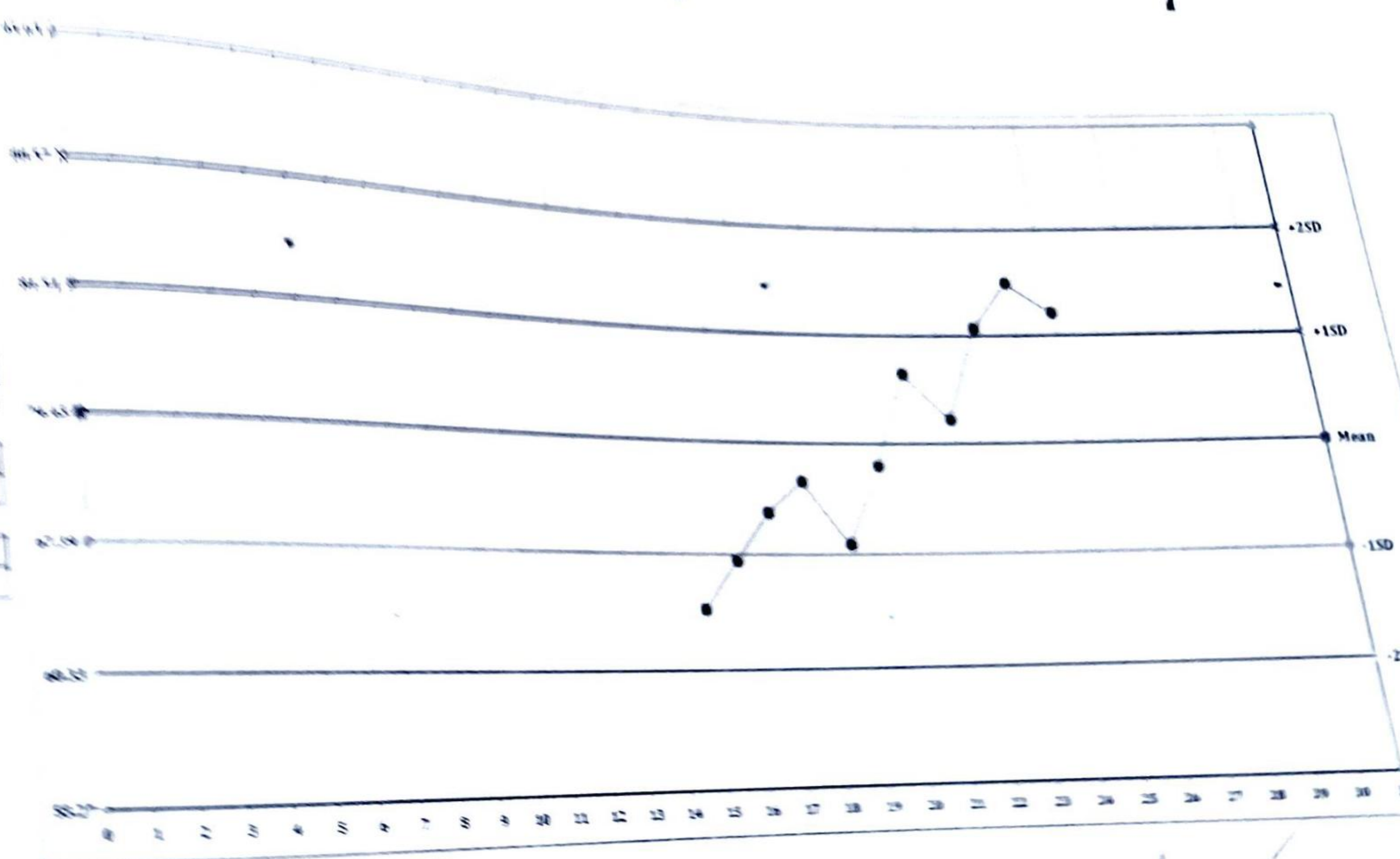


1-2-20

Quality Control (I.) Chart

Test	PLATELET	Machine	NEWLAB
Control	LOW		
Lot	102221		

Time	Value
10:00	100
10:10	105
10:20	110
10:30	115
10:40	120
10:50	125
11:00	130
11:10	135
11:20	140
11:30	145
11:40	150
11:50	155
12:00	160
12:10	165
12:20	170
12:30	175
12:40	180
12:50	185
13:00	190
13:10	195
13:20	200
13:30	205
13:40	210
13:50	215
14:00	220
14:10	225
14:20	230
14:30	235
14:40	240
14:50	245
15:00	250
15:10	255
15:20	260
15:30	265
15:40	270
15:50	275
16:00	280
16:10	285
16:20	290
16:30	295
16:40	300
16:50	305
17:00	310
17:10	315
17:20	320
17:30	325
17:40	330
17:50	335
18:00	340
18:10	345
18:20	350
18:30	355
18:40	360
18:50	365
19:00	370
19:10	375
19:20	380
19:30	385
19:40	390
19:50	395
20:00	400
20:10	405
20:20	410
20:30	415
20:40	420
20:50	425
21:00	430
21:10	435
21:20	440
21:30	445
21:40	450
21:50	455
22:00	460
22:10	465
22:20	470
22:30	475
22:40	480
22:50	485
23:00	490
23:10	495
23:20	500
23:30	505
23:40	510
23:50	515
00:00	520
00:10	525
00:20	530
00:30	535
00:40	540
00:50	545
01:00	550
01:10	555
01:20	560
01:30	565
01:40	570
01:50	575
02:00	580
02:10	585
02:20	590
02:30	595
02:40	600
02:50	605
03:00	610
03:10	615
03:20	620
03:30	625
03:40	630
03:50	635
04:00	640
04:10	645
04:20	650
04:30	655
04:40	660
04:50	665
05:00	670
05:10	675
05:20	680
05:30	685
05:40	690
05:50	695
06:00	700
06:10	705
06:20	710
06:30	715
06:40	720
06:50	725
07:00	730
07:10	735
07:20	740
07:30	745
07:40	750
07:50	755
08:00	760
08:10	765
08:20	770
08:30	775
08:40	780
08:50	785
09:00	790
09:10	795
09:20	800
09:30	805
09:40	810
09:50	815
10:00	820
10:10	825
10:20	830
10:30	835
10:40	840
10:50	845
11:00	850
11:10	855
11:20	860
11:30	865
11:40	870
11:50	875
12:00	880
12:10	885
12:20	890
12:30	895
12:40	900
12:50	905
13:00	910
13:10	915
13:20	920
13:30	925
13:40	930
13:50	935
14:00	940
14:10	945
14:20	950
14:30	955
14:40	960
14:50	965
15:00	970
15:10	975
15:20	980
15:30	985
15:40	990
15:50	995
16:00	1000



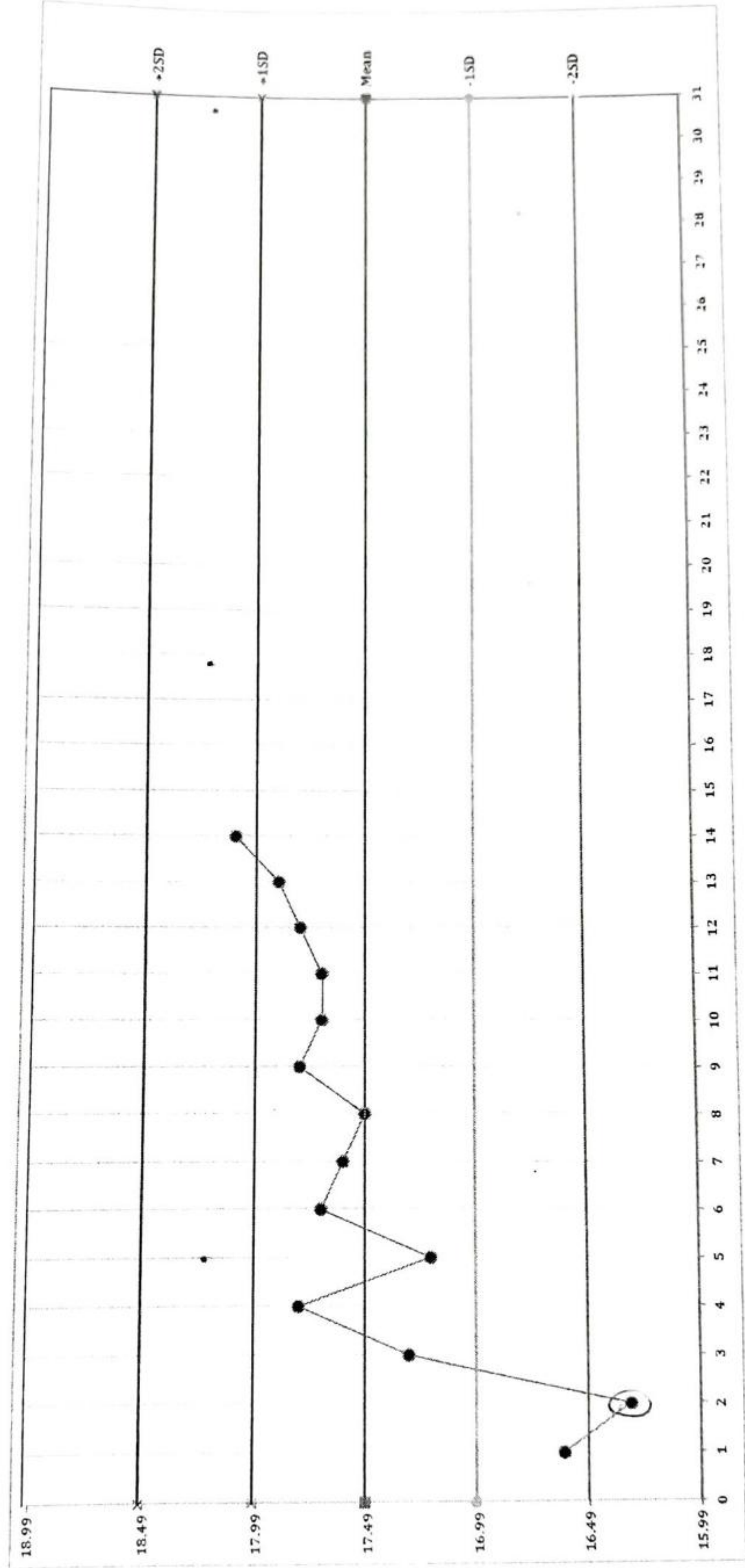
[Handwritten signature]

Quality Control (LJ) Chart

Test	HB	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

Month	MARCH
Year	2022

SL No	Result	SD
1	16.6	0.50
2	16.3	Mean
3	17.3	17.50
4	17.8	(+) 3SD
5	17.2	19.01
6	17.7	(+) 2SD
7	17.6	18.51
8	17.5	(+) 1SD
9	17.8	18.00
10	17.7	(-) 1SD
11	17.7	17.00
12	17.8	(-) 2SD
13	17.9	16.49
14	18.1	(-) 3SD
		15.99



Handwritten signature and initials.

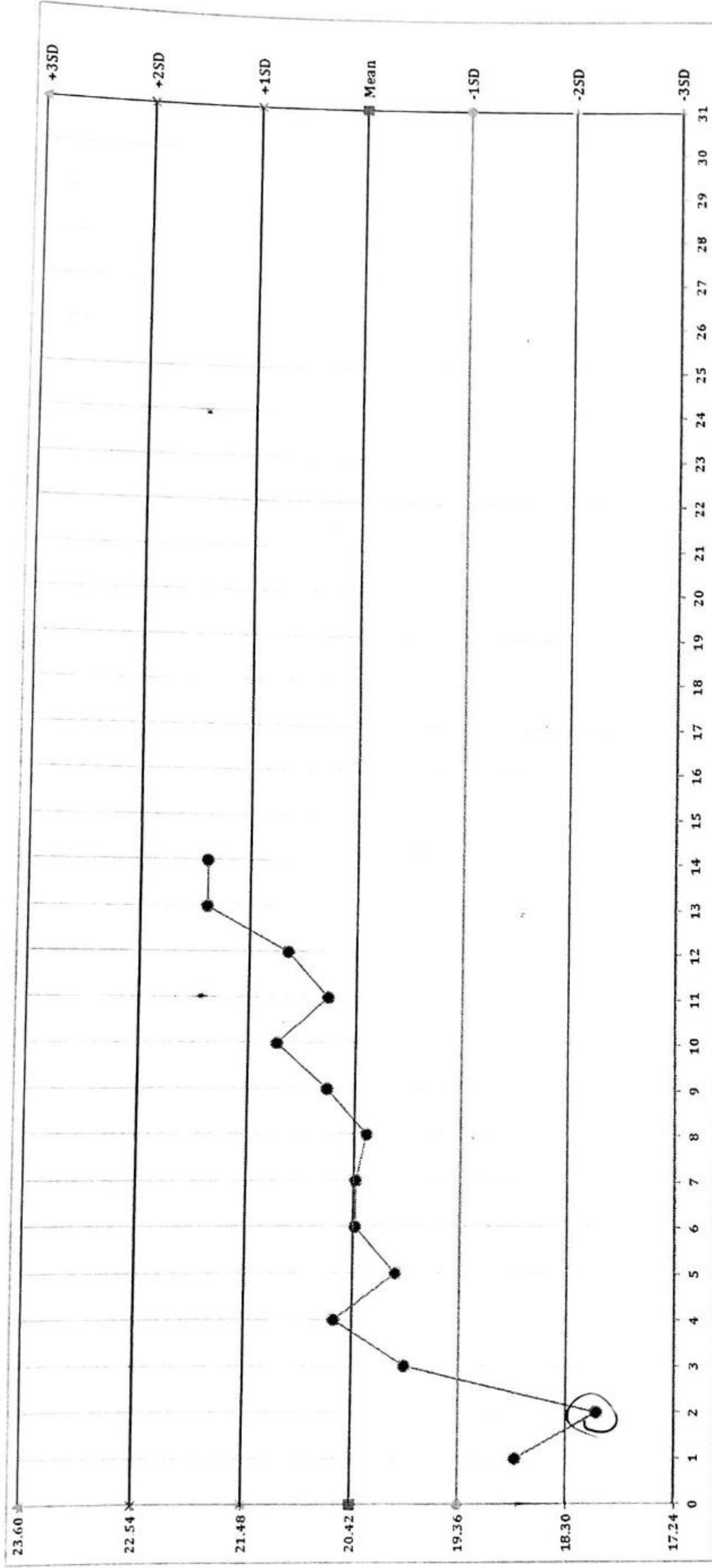
Quality Control (LJ) Chart

Test	TLC	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

Year 2022

Month MARCH

SL No	Result	SD
1	18.8	1.06
2	18	Mean
3	19.9	20.42
4	20.6	(+) 3SD
5	20.0	23.60
6	20.4	(+) 2SD
7	20.4	22.54
8	20.3	(+) 1SD
9	20.7	21.48
10	21.2	(-) 1SD
11	20.7	19.36
12	21.1	(-) 2SD
13	21.9	18.30
14	21.9	(-) 3SD
		17.24



Handwritten signature and date
12/3/22

Quality Control (LJ) Chart

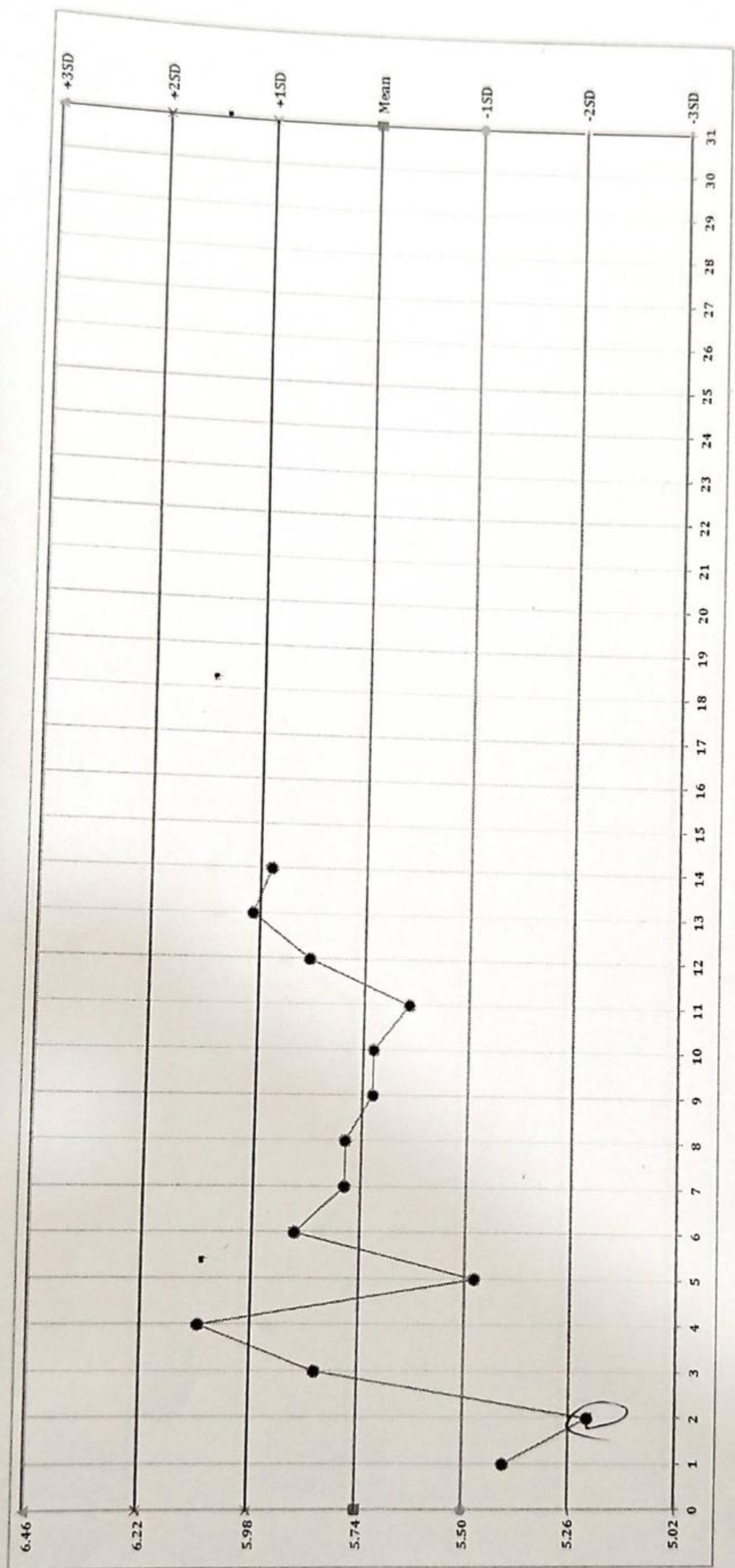
Test	RBC	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

Year 2022

Month MARCH

SL.No	Result
1	5.41
2	5.22
3	5.84
4	6.1
5	5.5
6	5.9
7	5.8
8	5.8
9	5.7
10	5.7
11	5.6
12	5.9
13	6
14	5.96

SD	0.24
Mean	5.74
(+) 3SD	6.47
(+) 2SD	6.23
(+) 1SD	5.98
(-) 1SD	5.50
(-) 2SD	5.26
(-) 3SD	5.02



Handwritten signature and initials

Quality Control (LJ) Chart

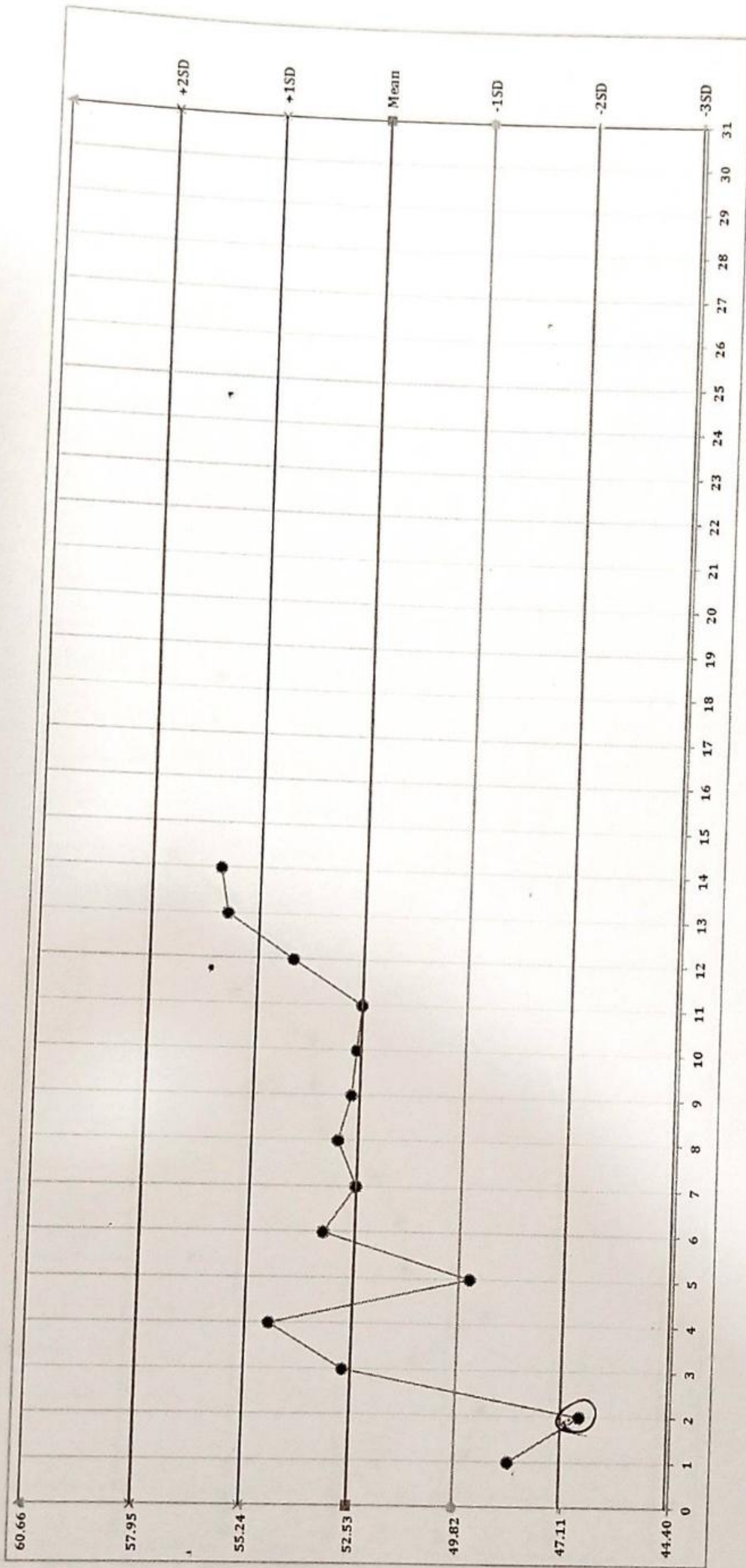
Test	PCV	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

Year 2022

Month MARCH

SD	2.71
Mean	52.59
(+) 3SD	60.71
(+) 2SD	58.00
(+) 1SD	55.30
(-) 1SD	49.89
(-) 2SD	47.18
(-) 3SD	44.47

SL No	Result
1	48.5
2	46.7
3	52.8
4	54.7
5	49.6
6	53.4
7	52.6
8	53.1
9	52.8
10	52.7
11	52.6
12	54.4
13	56.1
14	56.3



Handwritten notes and signature:

→ 5 25/3

[Signature]

Quality Control (LJ) Chart

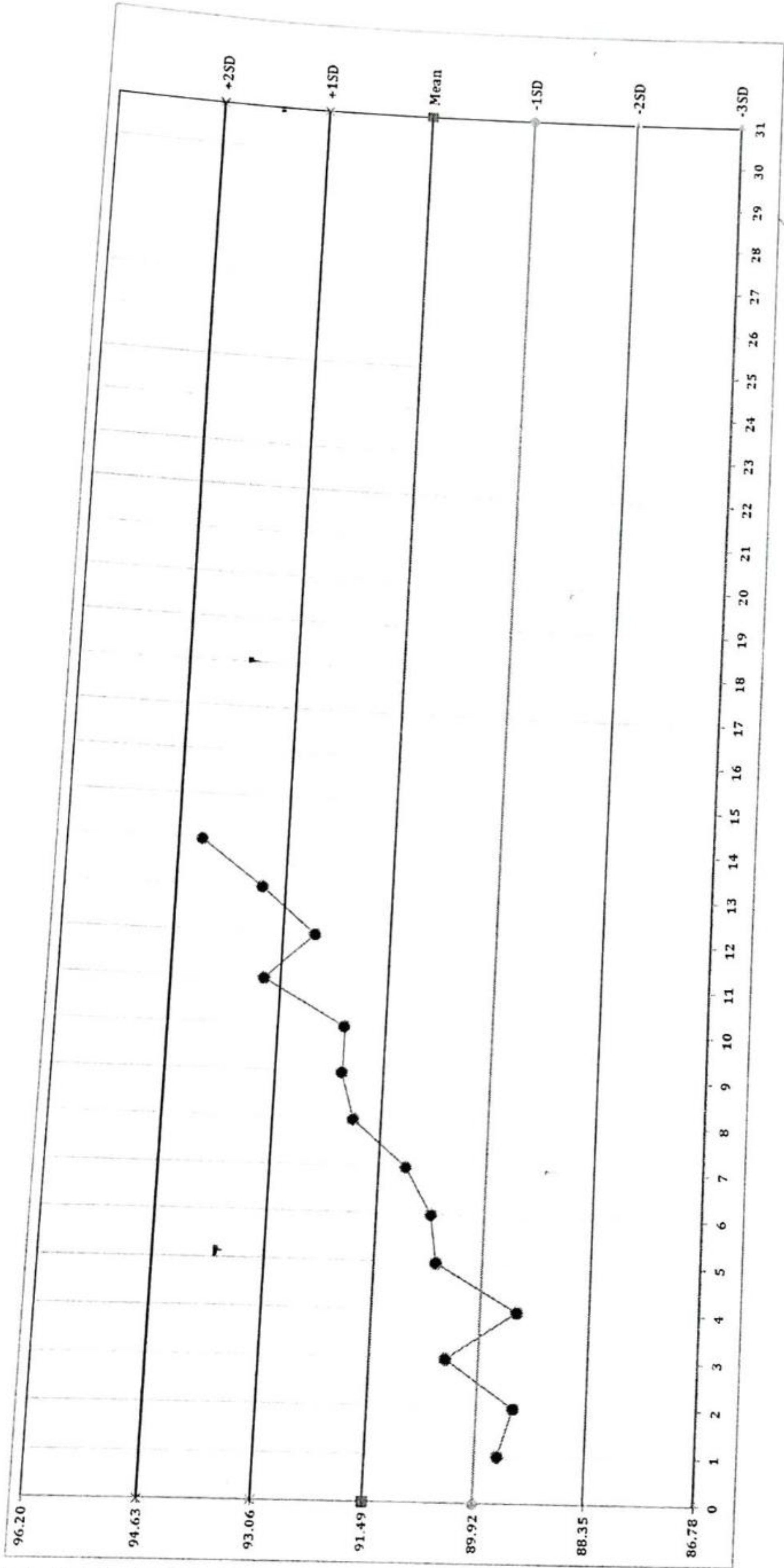
Test	MICV	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

Year 2022

Month MARCH

SL No	Result
1	89.6
2	89.4
3	90.4
4	89.4
5	90.6
6	90.7
7	91.1
8	91.9
9	92.1
10	92.1
11	93.3
12	92.6
13	93.4
14	94.3

SD	1.57
Mean	91.49
(+) 3SD	96.20
(+) 2SD	94.63
(+) 1SD	93.06
(-) 1SD	89.92
(-) 2SD	88.35
(-) 3SD	86.78



Signature

Month MARCH

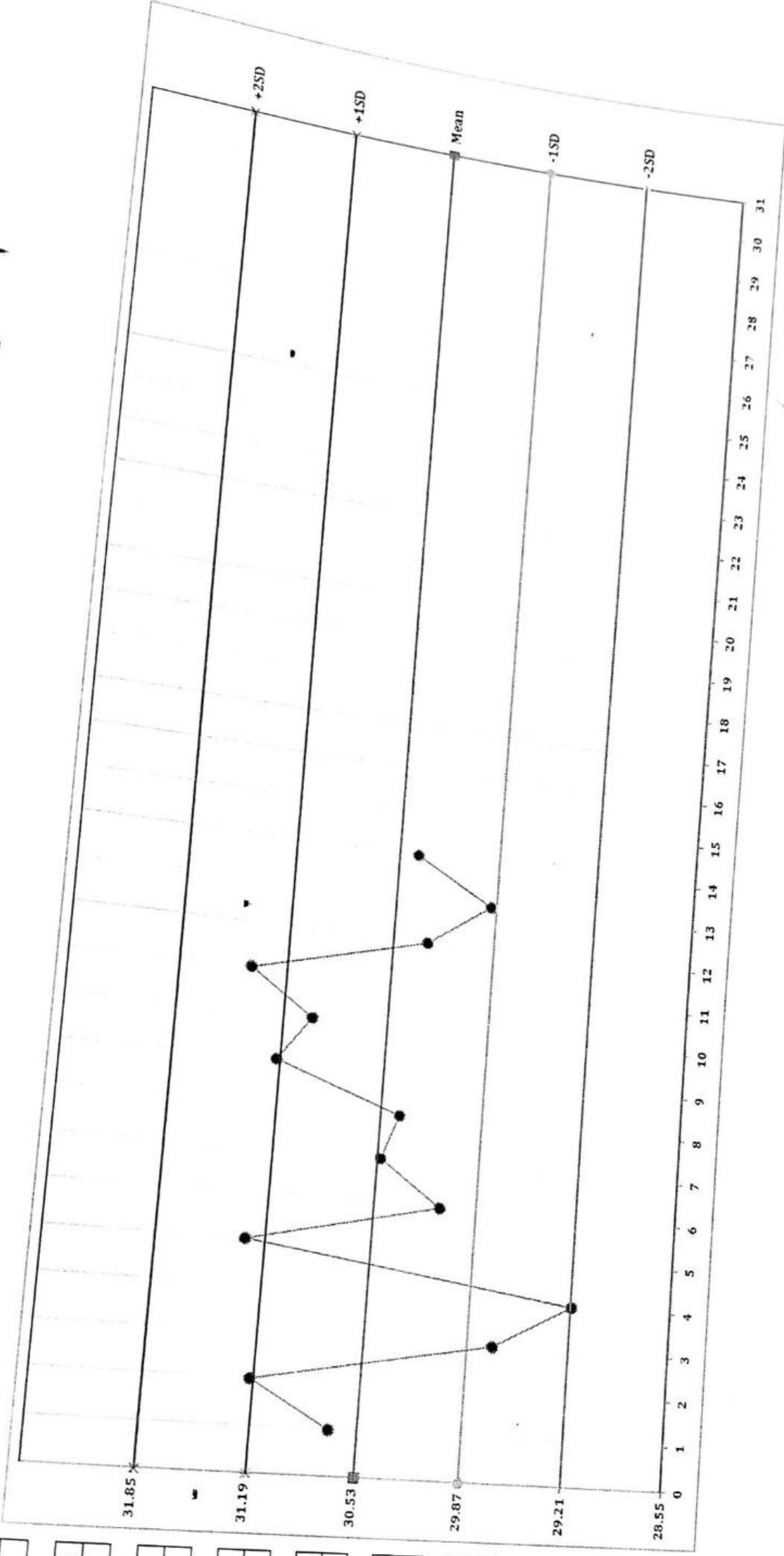
Year 2022

Quality Control (LJ) Chart

Test	MCH	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

SL No	Result
1	30.7
2	31.2
3	29.7
4	29.2
5	31.3
6	30.1
7	30.5
8	30.4
9	31.2
10	31.0
11	31.4
12	30.3
13	29.9
14	30.4

SD	0.66
Mean	30.52
(+) 3SD	32.49
(+) 2SD	31.84
(+) 1SD	31.18
(-) 1SD	29.86
(-) 2SD	29.21
(-) 3SD	28.55



[Handwritten Signature]

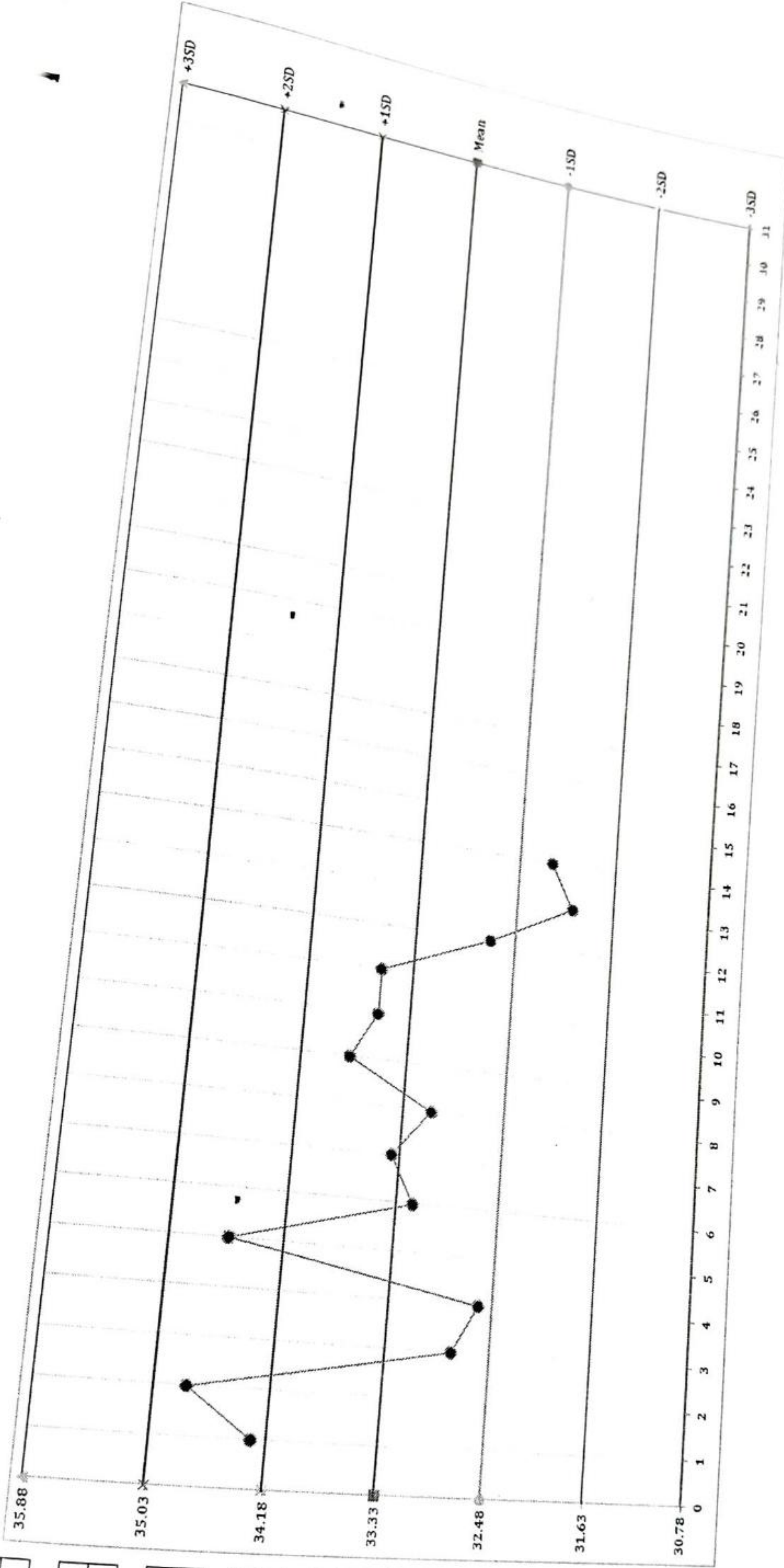
Quality Control (LJ) Chart

Test	MCHC	Machine	SEWLAB
Control	HIGH		
Lot #	B02222H		

Month MARCH Year 2022

SL No	Result
1	34.3
2	34.8
3	32.8
4	32.6
5	34.6
6	33.2
7	33.4
8	33.1
9	33.8
10	33.6
11	33.6
12	32.7
13	32.0
14	32.2

SD	0.85
Mean	33.34
(+) 3SD	35.89
(+) 2SD	35.04
(+) 1SD	34.19
(-) 1SD	32.48
(-) 2SD	31.63
(-) 3SD	30.78



[Handwritten Signature]

Quality Control (LJ) Chart

Test	PLATLET	Machine	SEWLAB
Control	HIGH		
Lot	B0222H		

Month: MARCH Year: 2022

SL No	Result
1	5.38
2	5.32
3	5.58
4	6.11
5	5.5
6	5.8
7	5.8
8	5.7
9	5.7
10	5.7
11	5.6
12	5.8
13	5.8
14	5.89

SD	0.20
Mean	5.70

(+) 3SD	6.31
---------	------

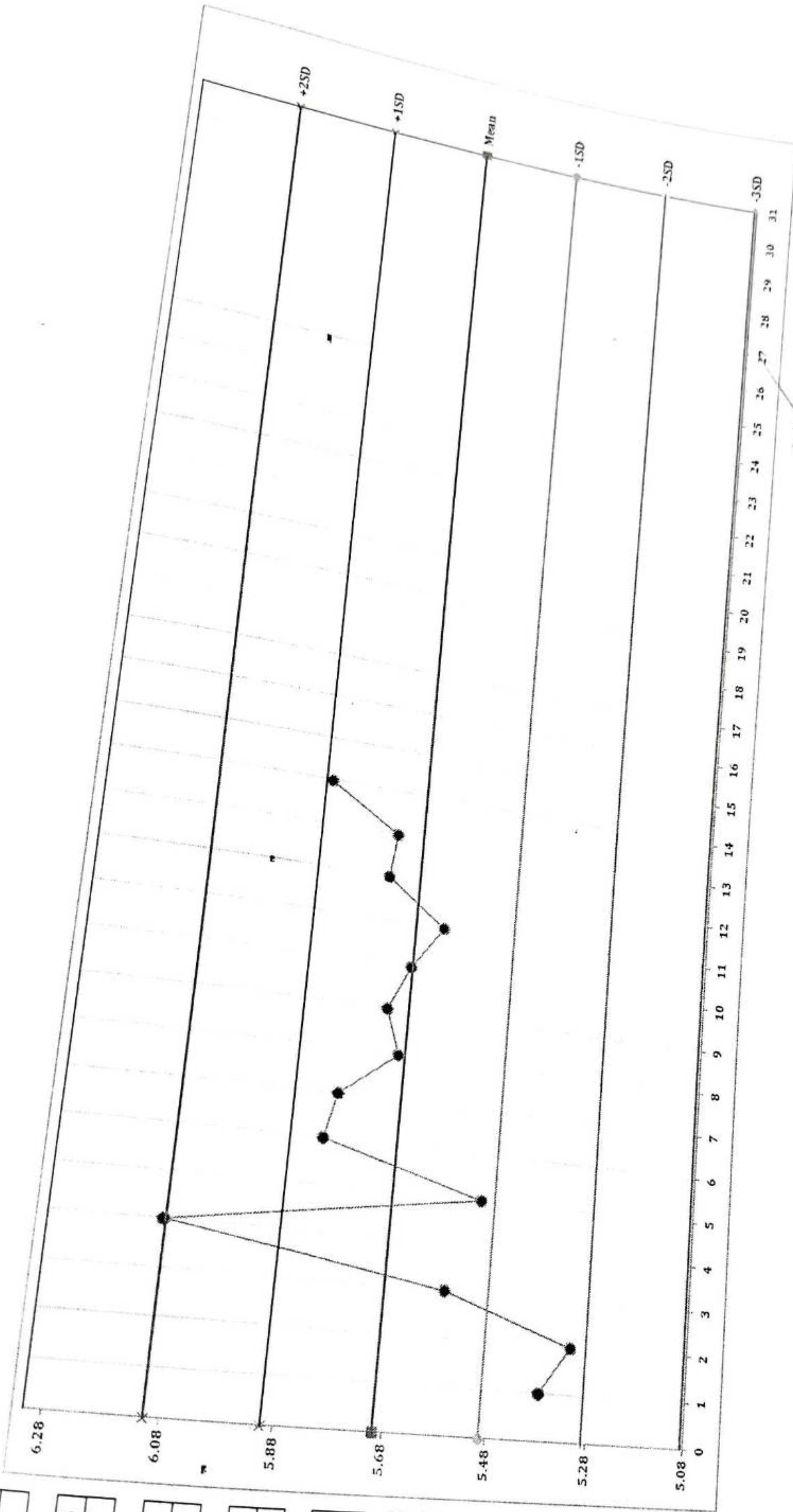
(+) 2SD	6.11
---------	------

(+) 1SD	5.90
---------	------

(-) 1SD	5.49
---------	------

(-) 2SD	5.29
---------	------

(-) 3SD	5.08
---------	------



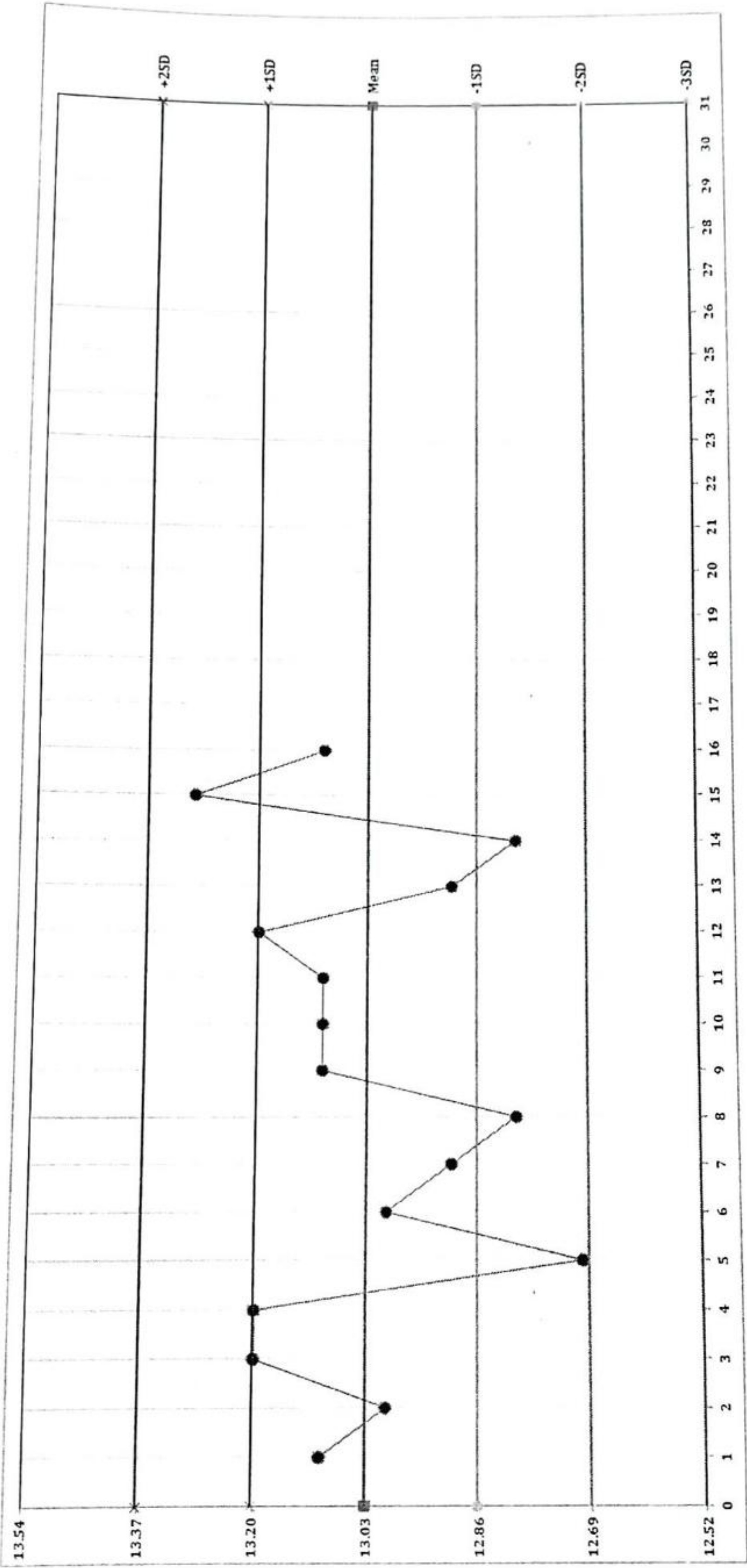
Quality Control (LJ) Chart

Test	HB	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Month	FEB
Year	2022

SL No	Result
1	13.1
2	13
3	13.2
4	13.2
5	12.7
6	13
7	12.9
8	12.8
9	13.1
10	13.1
11	13.1
12	13.2
13	12.9
14	12.8
15	13.3
16	13.1

SD	0.17
Mean	13.03
(+) 3SD	13.54
(+) 2SD	13.37
(+) 1SD	13.20
(-) 1SD	12.86
(-) 2SD	12.69
(-) 3SD	12.52



Quality Control (LJ) Chart

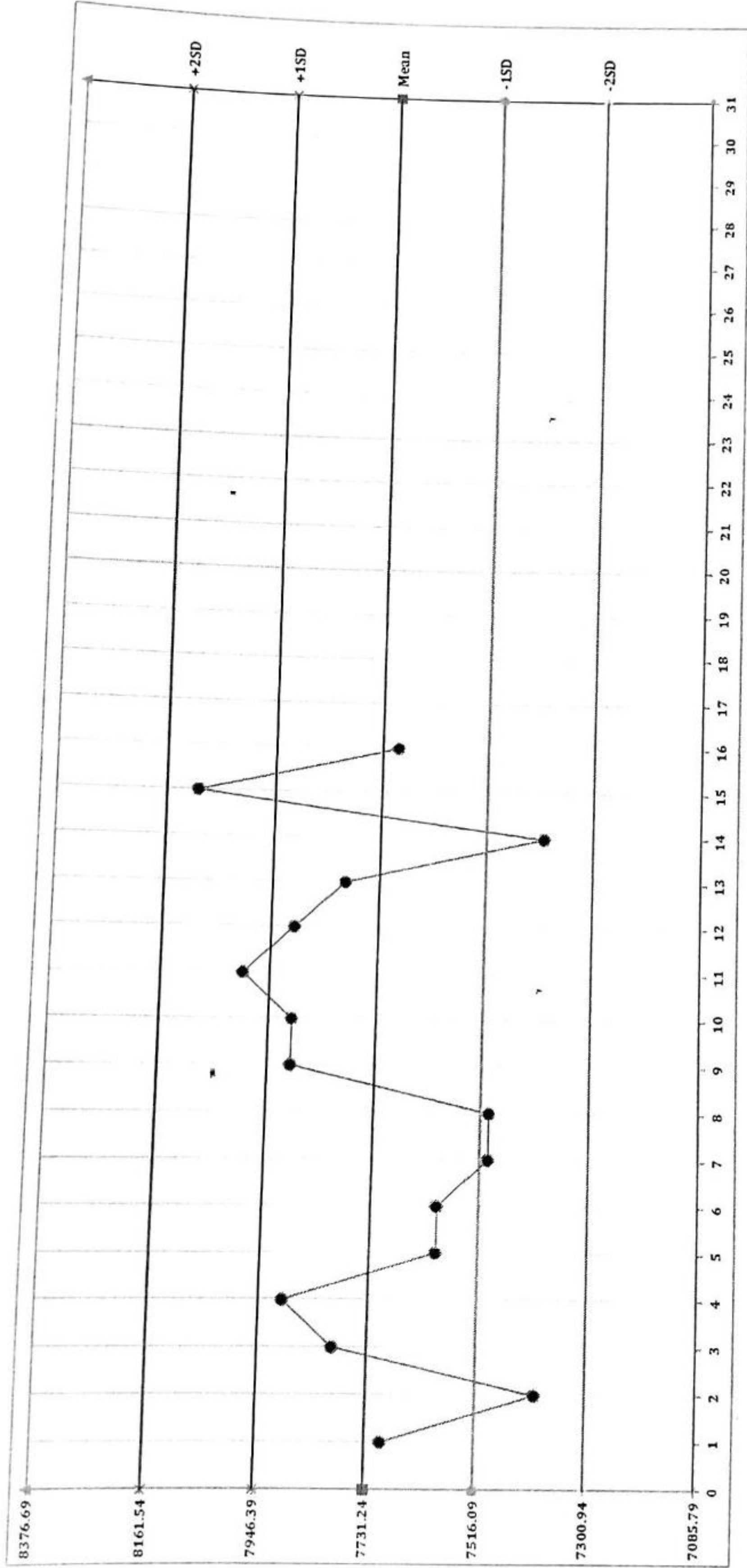
Test	TLC	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Year	2022
------	------

Month	FEB
-------	-----

SL No	Result
1	7700
2	7400
3	7800
4	7900
5	7600.0
6	7600
7	7500
8	7500.0
9	7900.0
10	7900.0
11	8000.0
12	7900.0
13	7800
14	7400
15	8100
16	7700

SD	215.15
Mean	7731.25
(+) 3SD	8376.71
(+) 2SD	8161.56
(+) 1SD	7946.40
(-) 1SD	7516.10
(-) 2SD	7300.94
(-) 3SD	7085.79



Quality Control (LJ) Chart

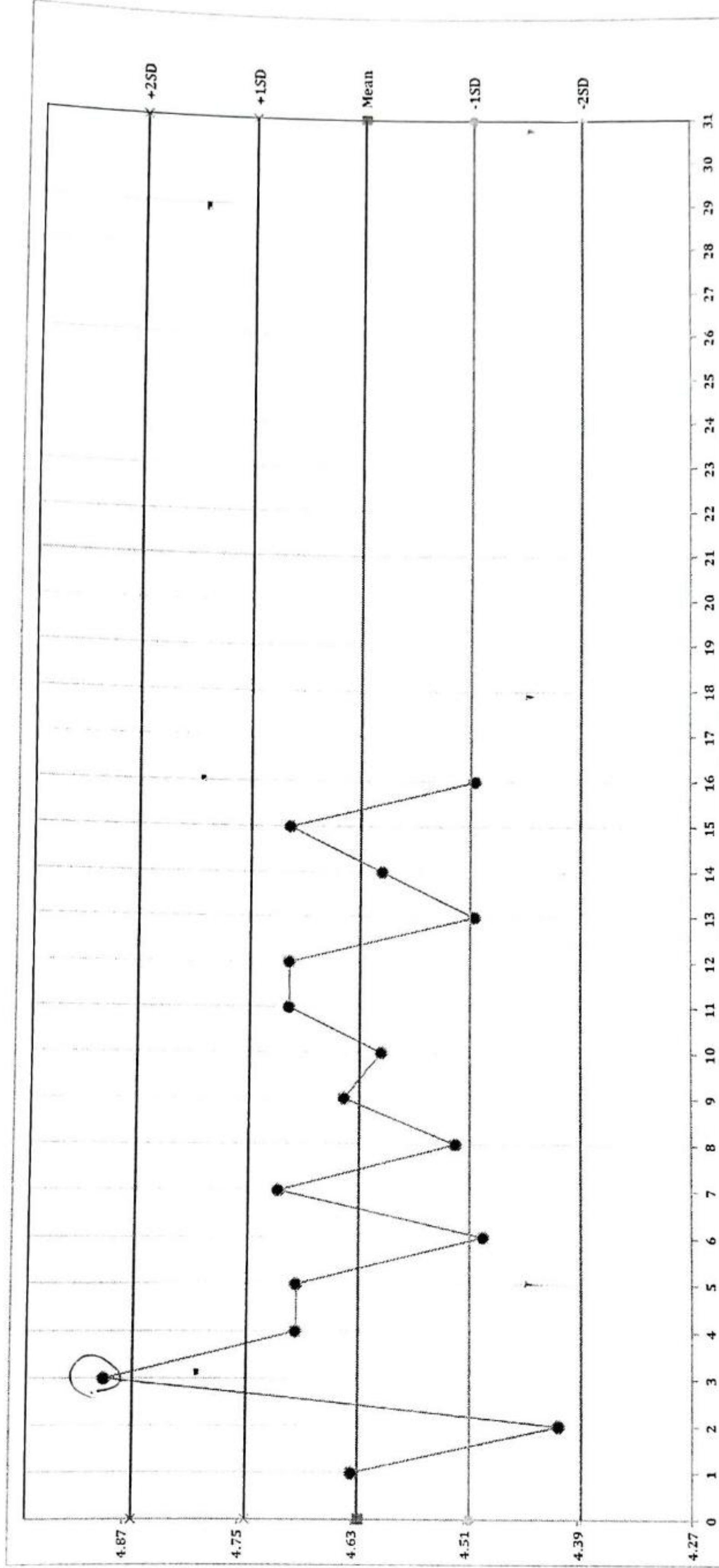
Test	RBC	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Month	FEB
-------	-----

Year	2022
------	------

SL No	Result
1	4.63
2	4.41
3	4.89
4	4.69
5	4.7
6	4.49
7	4.71
8	4.5
9	4.6
10	4.6
11	4.7
12	4.7
13	4.5
14	4.6
15	4.7
16	4.5

SD	0.12
Mean	4.62
(+) 3SD	4.98
(+) 2SD	4.86
(+) 1SD	4.74
(-) 1SD	4.50
(-) 2SD	4.39
(-) 3SD	4.27



1-287
(Signature)

Quality Control (LJ) Chart

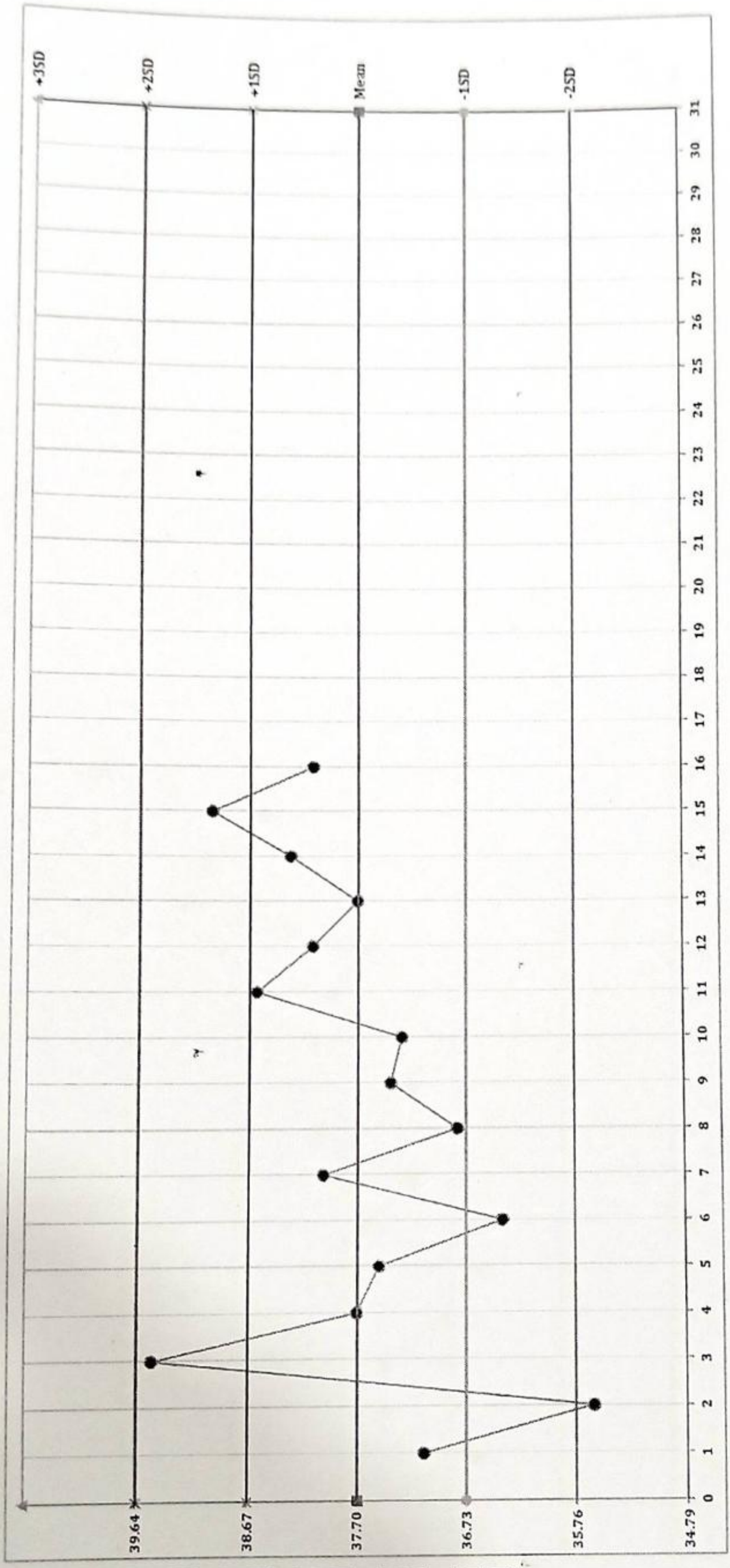
Test	PCV	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Month	FEB
-------	-----

Year	2022
------	------

SLNo	Result
1	37.1
2	35.6
3	39.5
4	37.7
5	37.5
6	36.4
7	38.0
8	36.8
9	37.4
10	37.3
11	38.6
12	38.1
13	37.7
14	38.3
15	39.0
16	38.1

SD	0.97
Mean	37.69
(+) 3SD	40.60
(-) 2SD	39.63
(+) 1SD	38.66
(-) 1SD	36.73
(-) 2SD	35.76
(-) 3SD	34.79



Quality Control (LJ) Chart

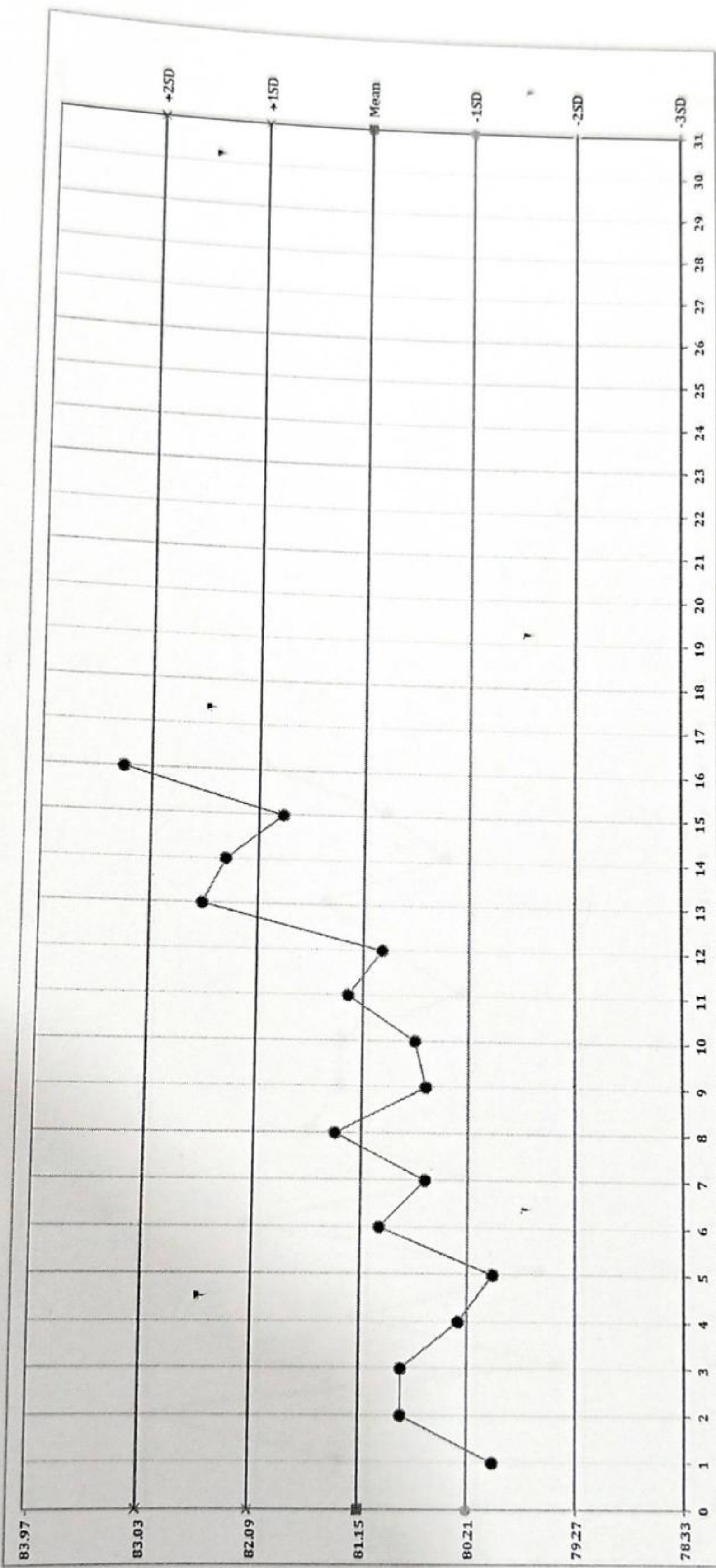
Test	MCV	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Year 2022

Month FEB

SL.No	Result
1	80
2	80.8
3	80.8
4	80.3
5	80.0
6	81.0
7	80.6
8	81.4
9	80.6
10	80.7
11	81.3
12	81.0
13	82.6
14	82.4
15	81.9
16	83.3

SD	0.94
Mean	81.17
(+) 3SD	84.00
(+) 2SD	83.06
(+) 1SD	82.11
(-) 1SD	80.22
(-) 2SD	79.28
(-) 3SD	78.33



Handwritten signature and notes in blue ink.

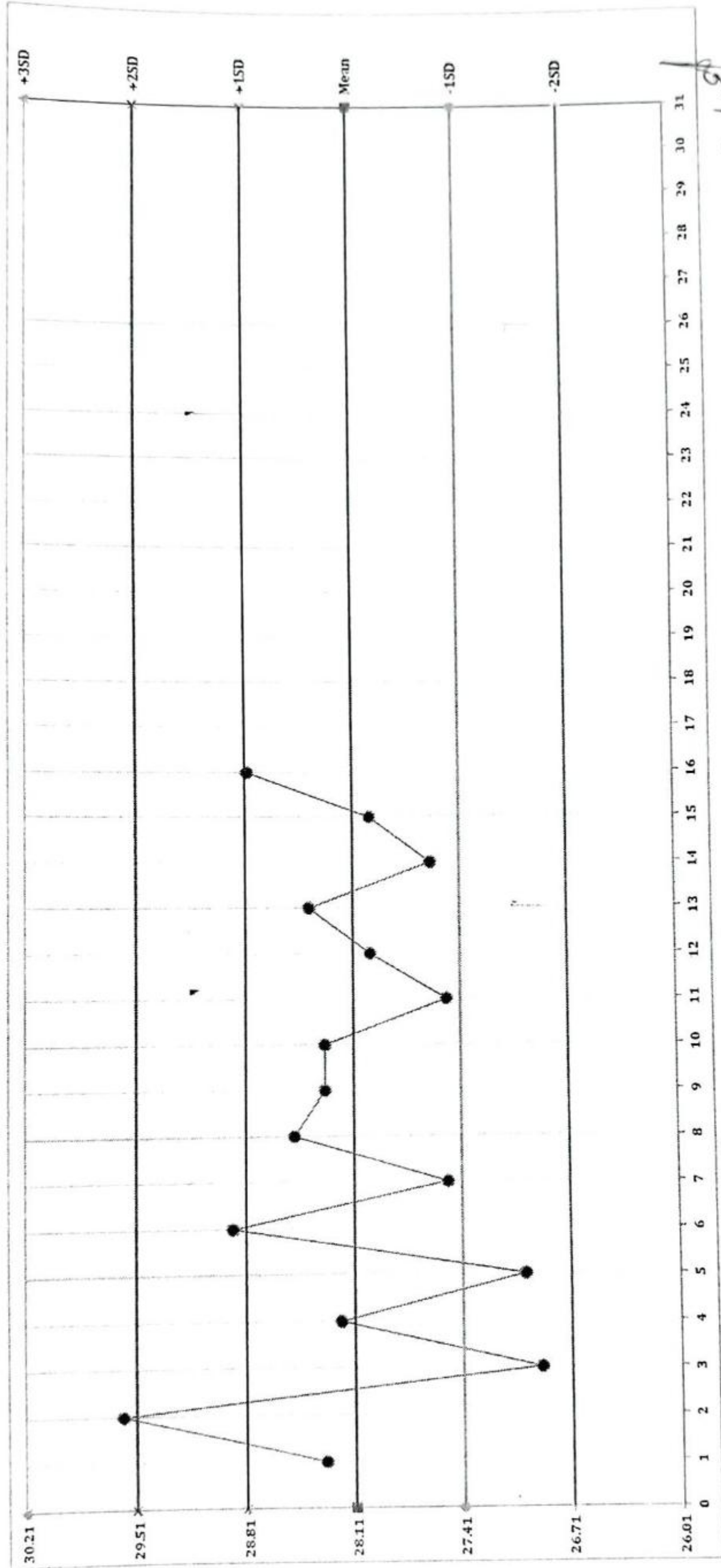
Quality Control (LJ) Chart

Test	MCH	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Month	FEB
Year	2022

SL No	Result
1	28.3
2	29.6
3	26.9
4	28.2
5	27.0
6	28.9
7	27.5
8	28.5
9	28.3
10	28.3
11	27.5
12	28.0
13	28.4
14	27.6
15	28.0
16	28.8

SD	0.70
Mean	28.11
(+) 3SD	30.22
(+) 2SD	29.52
(+) 1SD	28.81
(-) 1SD	27.41
(-) 2SD	26.71
(-) 3SD	26.01



Handwritten notes:
 1 FEB 1
 Calculated
 [Signature]

Quality Control (LJ) Chart

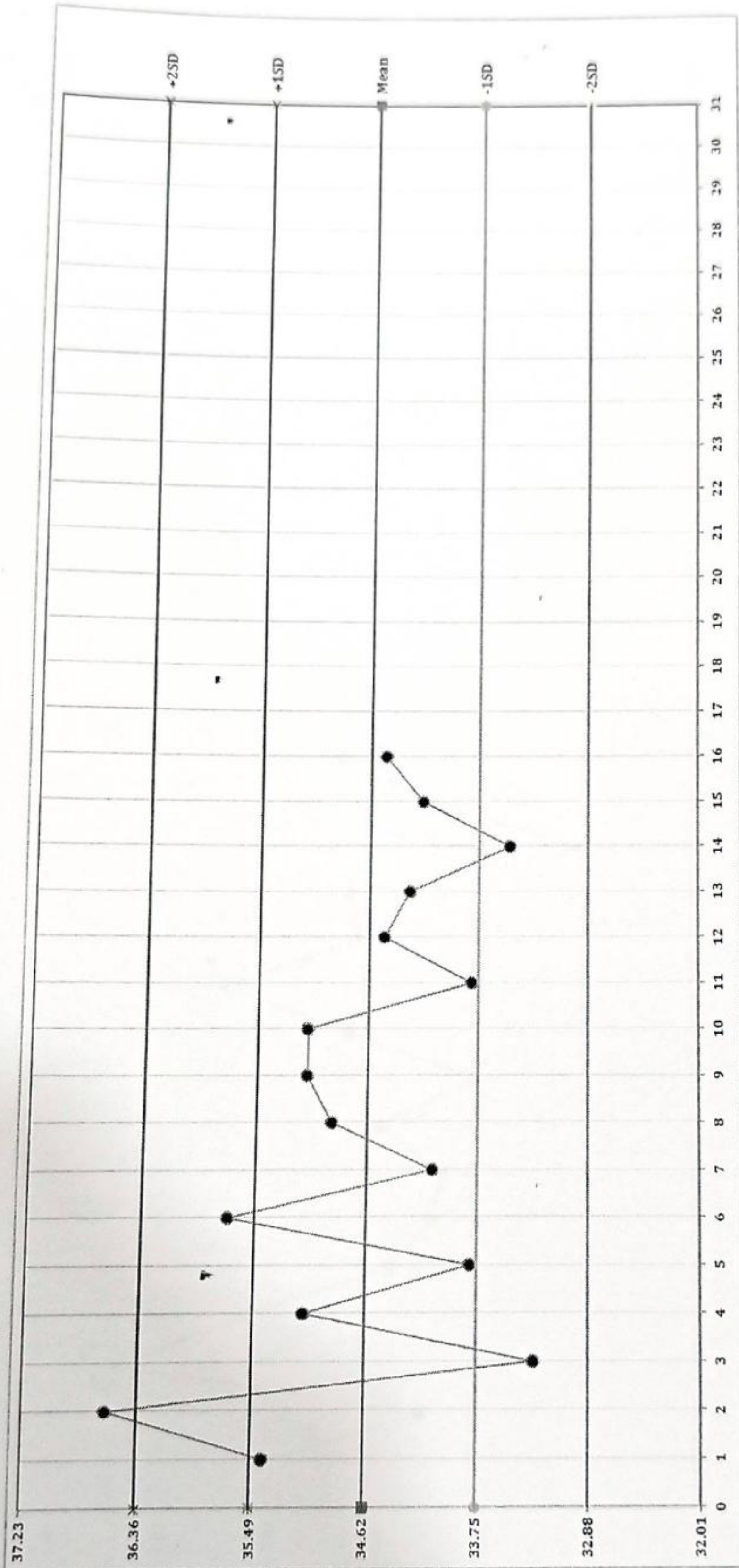
Test	MCHC	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Year 2022

Month FEB

SD	0.87
Mean	34.62
(+) 3SD	37.23
(+) 2SD	36.36
(+) 1SD	35.49
(-) 1SD	33.75
(-) 2SD	32.88
(-) 3SD	32.01

SL No	Result
1	35.4
2	36.6
3	33.3
4	35.1
5	33.8
6	35.7
7	34.1
8	34.9
9	35.1
10	35.1
11	33.8
12	34.5
13	34.3
14	33.5
15	34.2
16	34.5



Handwritten signature
 12/02/2022

Quality Control (LJ) Chart

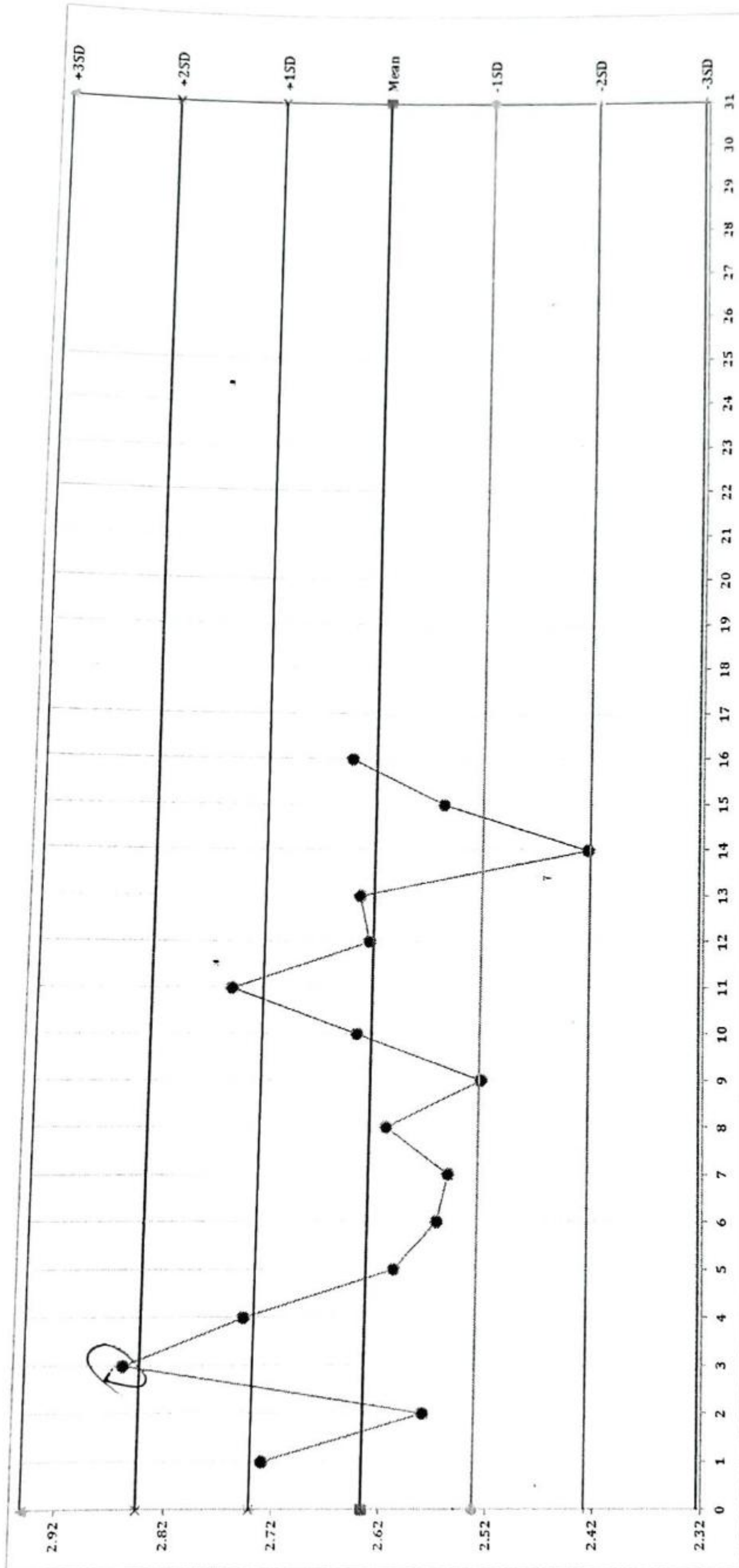
Test	PLATLET	Machine	SEWLAB
Control	NORMAL		
Lot	B0222		

Year	2022
------	------

Month	FEB
-------	-----

SL No	Result
1	2.73
2	2.58
3	2.86
4	2.75
5	2.6
6	2.6
7	2.6
8	2.6
9	2.5
10	2.7
11	2.8
12	2.6
13	2.65
14	2.43
15	2.6
16	2.66

SD	0.10
Mean	2.64
(+) 3SD	2.95
(+) 2SD	2.84
(+) 1SD	2.74
(-) 1SD	2.53
(-) 2SD	2.43
(-) 3SD	2.32



Handwritten signature and initials.

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 155--H	Total No. responded	% of Labs with Z Score 0-2		% of Labs with Z Score 2-3		% of Labs with Z Score >3	
				Among labs	Within lab	Among labs	Within lab	Among labs	Within lab
WBC x10 ³ /μl	1	151	151	84.11	91.39	1.32	1.32	14.57	7.29
RBC x10 ⁶ /μl	1	151	151	86.75	88.74	9.27	7.28	3.98	3.98
Hb g/dl	1	151	151	90.07	90.07	7.28	2.65	2.65	7.28
HCT%	1	151	151	93.38	90.73	5.96	5.96	0.66	3.31
MCV-fl	1	151	151	91.39	94.04	6.62	3.97	1.99	1.99
MCH-Pg	1	151	151	91.39	88.74	4.64	5.96	3.97	5.3
MCHC-g/dl	1	151	151	94.04	94.7	5.3	2.65	0.66	2.65
Plt. x10 ³ /μl	1	151	151	96.69	90.73	2.65	5.3	0.66	3.97
ReticCount%	2	151	119	90.76	92.44	5.88	11.76	3.36	4.2
PS Assessment	3	151	121	Satisfactory :86.1%, Borderline Sat. :10.59%, Unsatisfactory :3.31%					

Comments:

1). Among Lab (EQA) : **Results acceptable.**

2). Within Lab (IQA) : **Precision acceptable.**

Note-1: EQA (External Quality Assurance) : Your Performance among various of participating labs in PT, to determine the accuracy of your results.

IQA (Internal Quality Assurance) : Your Performance of comparison of two consecutive measurement values within your lab to test the precision of your autoanalyzer.

Note-2: Z score among & within lab were calculated, as per to ISO/IEC 13528:2015 standard. Z score among lab

(EQA)= (Your Result Sum of two values - Consensus Result sum of two values)/(Normalised IQR)

Z score within lab (IQA)= (Your Result Difference of two values - Consensus Result difference of two values)/(Normalised IQR)

IQR = Quartile 3 - Quartile 1 of participant data, Normalised IQR = 0.7413 x IQR

Note-3: Z score 0 to ±2: Acceptable, Z score ±2 to ±3 :Warning Signal, Z score > ±3 : Unacceptable [As per ISO/IEC 13528:2015 standard]

Note-4: Z score value between "0 to ±2" are texted in green colour. Z score value between "±2 to ±3" are texted in orange colour. Z score value > ±3 are texted in red colour.

Note-5: Homogeneity and stability testing of PT sample were done as per ISO 13528:2015 standard. To pass homogeneity test, between sample SD (Ss) should be smaller than the check value (0.3*SDPA). To pass the stability test, average difference in measurement values of first and last day sample ($\bar{x}-\bar{y}$) should be smaller than the check value (0.3*SDPA).

Note-6: ISHTM-AIIMS-EQAP does not subcontract any task of its scheme

Note-7: Participants are free to use methods/analyzer of their own choice.

Note-8: Proficiency testing (PT) samples are sent quarterly to each participant.

Note-9: All the necessary details regarding design and implementation of PT, are provided in the instruction sheet as well as on programme's website www.ishtmaiimseqap.com.

Report authorized by,



Dr. Seema Tyagi (Prof.)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

-----End Of Report-----

AAMXBIOMEDICALS

Old D.C. Road, District Sonapat - 131001, State - Haryana, India
Email: aamxbiomedicals@rediffmail.com Mob: +91 9813151502



Calibration Certificate

Following voltages have been checked & adjusted on Blood Cell Counter Swelab Alfa Sr.No. – 15610 at Sachdeva Diagnostics, E-991, Block E, Saraswati Vihar, Pitam Pura, Delhi – 110034.

- System Voltages are in the specified range –Checked by Digital Multimeter are as below:

S.No.	Module	Observed Value	Acceptable Range
1	Main Power Supply	219 VAC	220 ± 5.0 VAC
2	24 Voltage Supply	24.1 VDC	24.0 ± 0.5 VDC
3	12 Voltage Supply	12.1 VDC	12.0 ± 0.5 VDC
4	HGB LED Voltage	4.52 VDC	4.50 ± 0.5 VDC

- Checked the Gain and Offset of Analog Board and found OK.
- All instrument thru' the Service Program and found OK.
- Checked the Pumps & Valves and found OK.
- Calibrate the instrument and Run control. Control results were OK
- Next Calibration will be performed on 01/04/2023.

For AAMX Biomedicals,



Nitin Choudhary

Zonal Manager

Date: 02/04/2022