**DiaSys Diagnostics India Private Limited**
229, FIA, Patparganj Industrial Area,
Ground and First Floor,
New Delhi -110092

# Calibration Certificate

***Following voltages have been checked & adjusted on DiaSys SYS 200 Pro (Sl. No. SYS20220401) at Krsnaa Diagnostics – Rajpura, Punjab***

**Calibration Report:**

**System voltages are in the specified range – Checked by Digital Multimeter are as below:**

| S.No. | Module | Observed Value | Acceptable Range |
|---|---|---|---|
| 1 | Power supply board o/p | +24.1 VDC | +24.0 +/- 0.5 VDC |
| | | +05.0 VDC | +05.0 +/- 0.2 VDC |
| 2 | Lamp voltage | +12.1 VDC | 12.0 +/- 0.5 VDC |

**System Temperature values are in the specified range –Checked by Digital Thermometer are as below:**

| S.No. | Module | Observed Value | Acceptable Range |
|---|---|---|---|
| 1 | Reaction Disk Temp | 37.0 C | 37.0 C +/- 0.3 C |

**Photometer Adjustment Values are within range as recommended:**

| S.No. | Module | Observed Value | Acceptable Range |
|---|---|---|---|
| 1 | ADC Count for all Wavelengths | 10,240 to 10,300 | 8000 to 18,000 |

- All other mechanisms have been checked through field service program & Software, found OK.
- Performed calibration for End Point, Kinetic & Fixed Time Kinetic. Run control & sample. Results were satisfactory.
- Next Calibration will be performed on 28/05/2024.

**For DiaSys Diagnostics India Pvt. Ltd.**

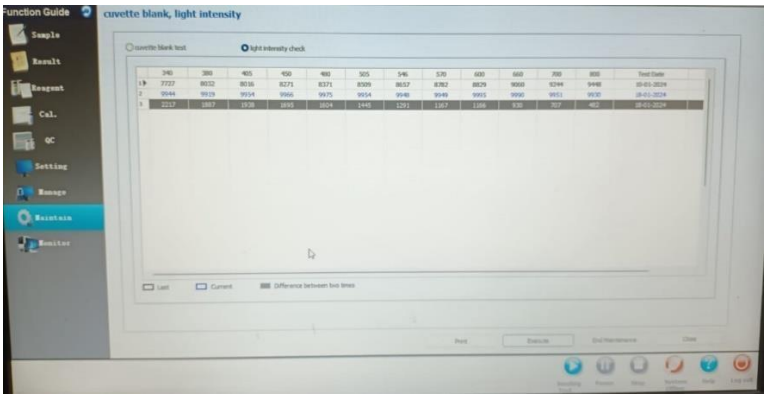
**Asmat Sami** **Date: 28/05/2023**

**Regional Service Manager**
**www.DiaSys-Diagnostic.com**
**Contact: 022 3371 4323**
**Toll Free: 1800 120 1447**

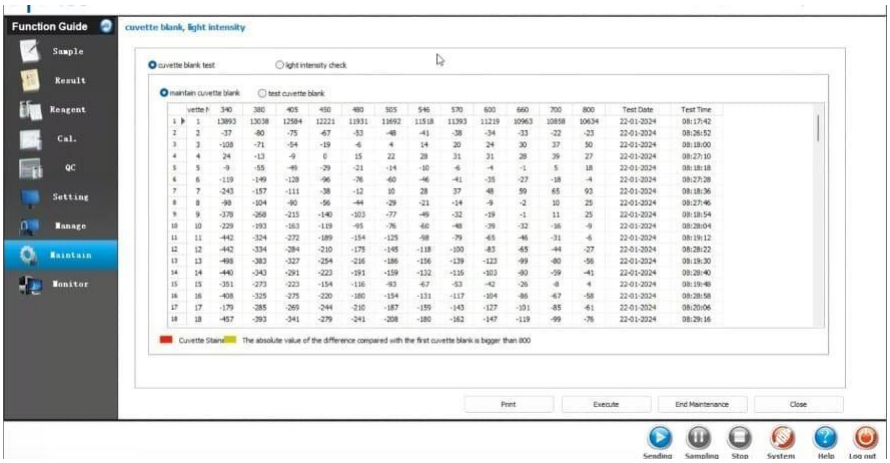
DiaSys Diagnostics India Private Limited
Plot No. A-821, TTC Indl. Area.
Mahape, Navi Mumbai – 400 710
Maharashtra, India.

**Date: 28.05.2023**

## Light Quantity Checkup for all wavelength and found all in range




## Cuvette Blank test for all cuvettes found in range




**Asmat Sami**

# Calibration Curve

Calibration Method: 2 Point Linear

Test Item: ALB

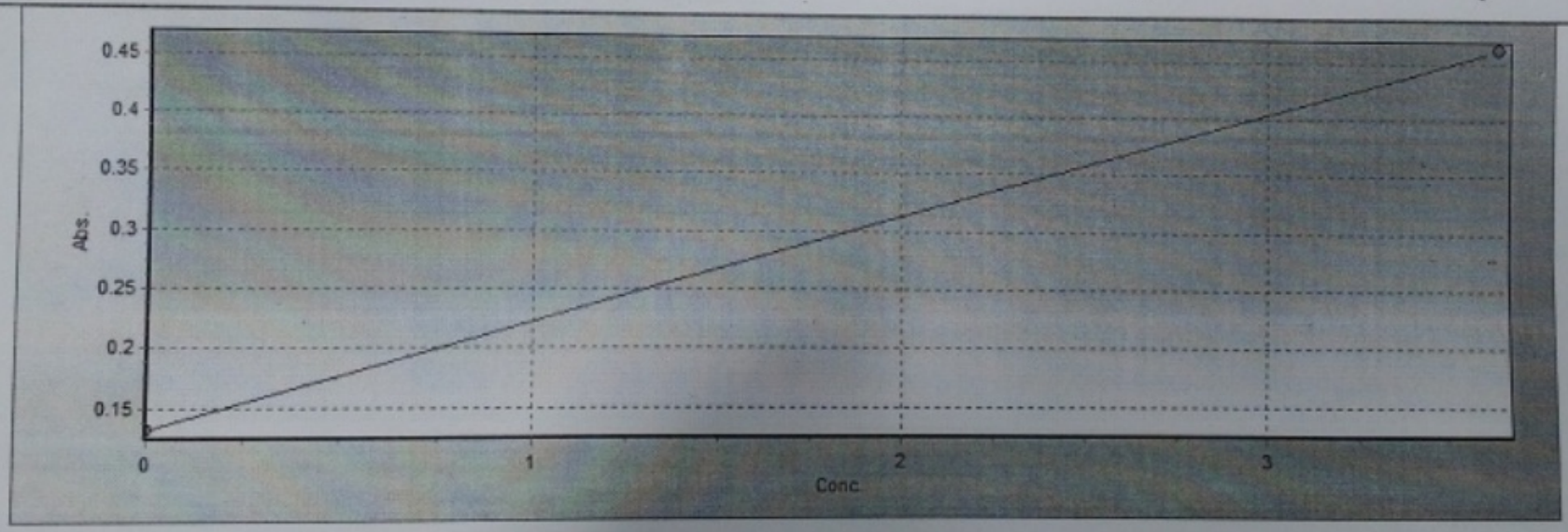
Calibrator: 1

Calibration Time: 25-07-2023 11:30:24

Absorbance: 0.1313

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.1313 | 11.022 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.1298 | 6. | 0 | 0 |
| 2. | 3.64 | 0.45245 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1 Print Time: 05-03-2024 16:31:13

# Calibration Curve

Calibration Method: 2 Point Linear

Test Item: ALP

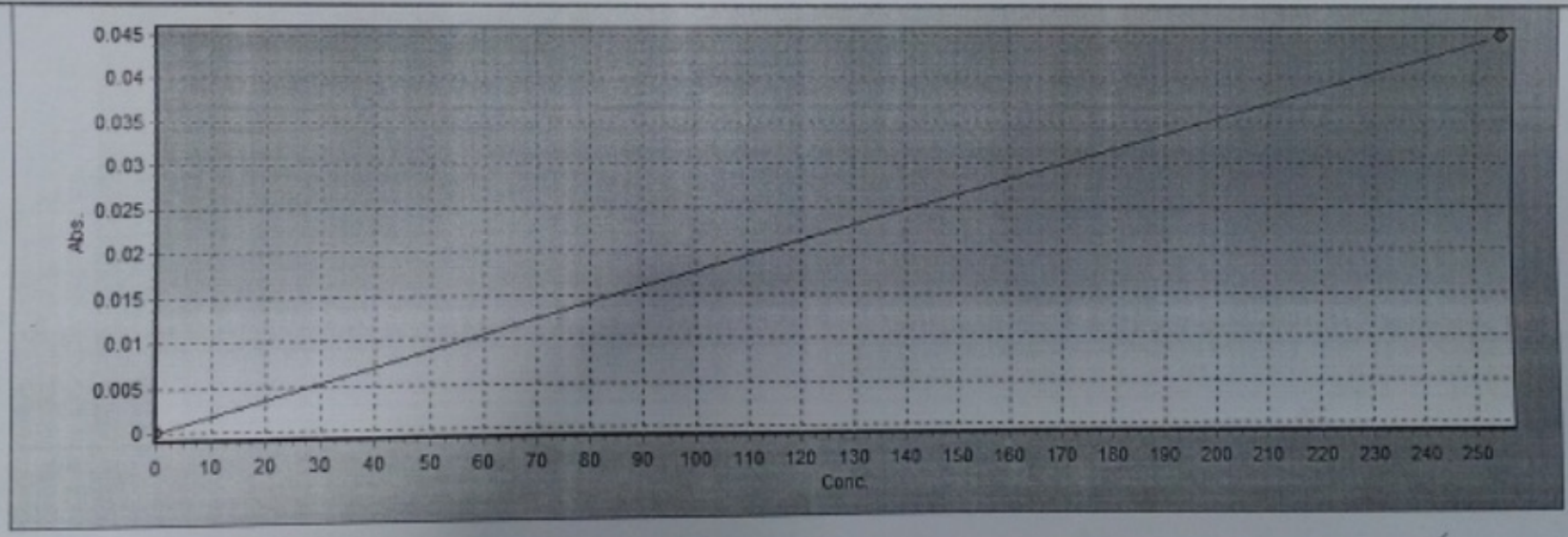
Calibrator: 1

Calibration Time: 27-05-2023 8:21:21

Absorbance: 9.99999999999998E

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 9.99999999999998E-5 | 5691.9643 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.0027 | 6. | 0 | 0 |
| 2. | 255 | 0.04615 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

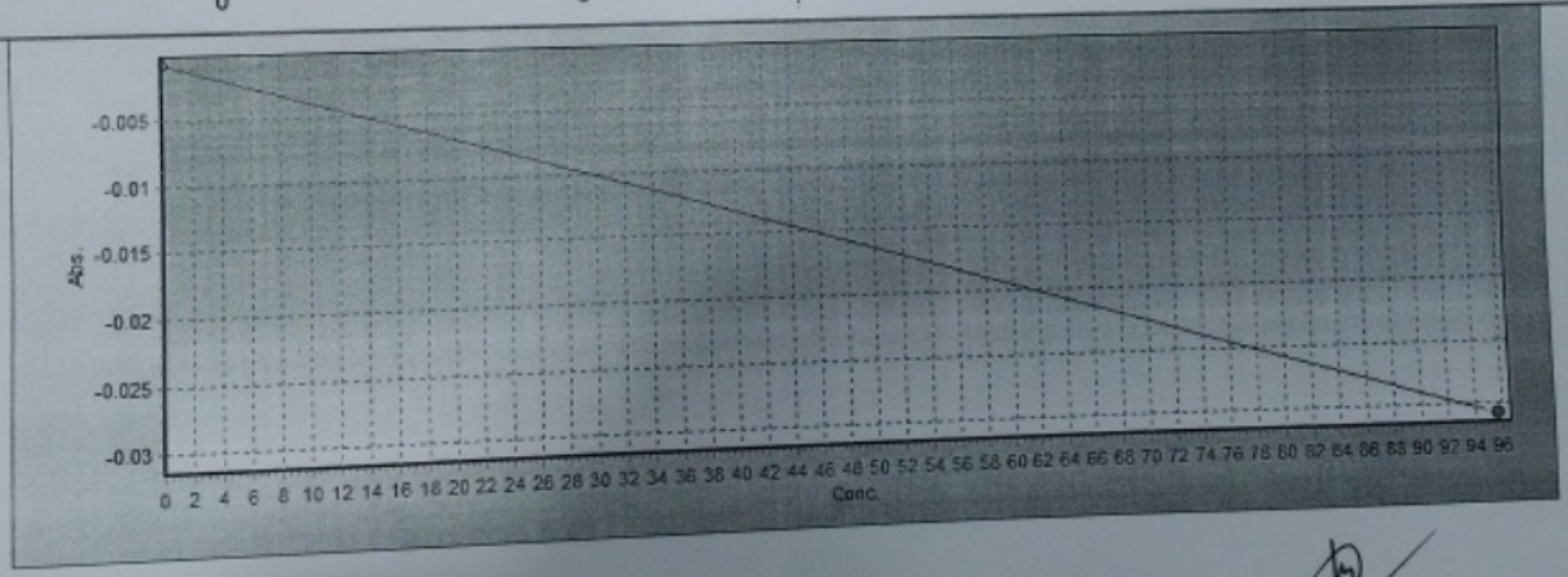
Print Time: 05-03-2024 16:34:00

# Calibration Curve

Calibration Method: 2 Point Linear
Calibration Time: 27-05-2023 8:21:52
Test Item: ALT
Absorbance: -0.0008
Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| -0.0008 | -3198.6644 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | -0.0011 | 6. | 0 | 0 |
| 2. | 95.8 | -0.03275 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1
Print Time: 05-03-2024 16:34:43

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:22:52

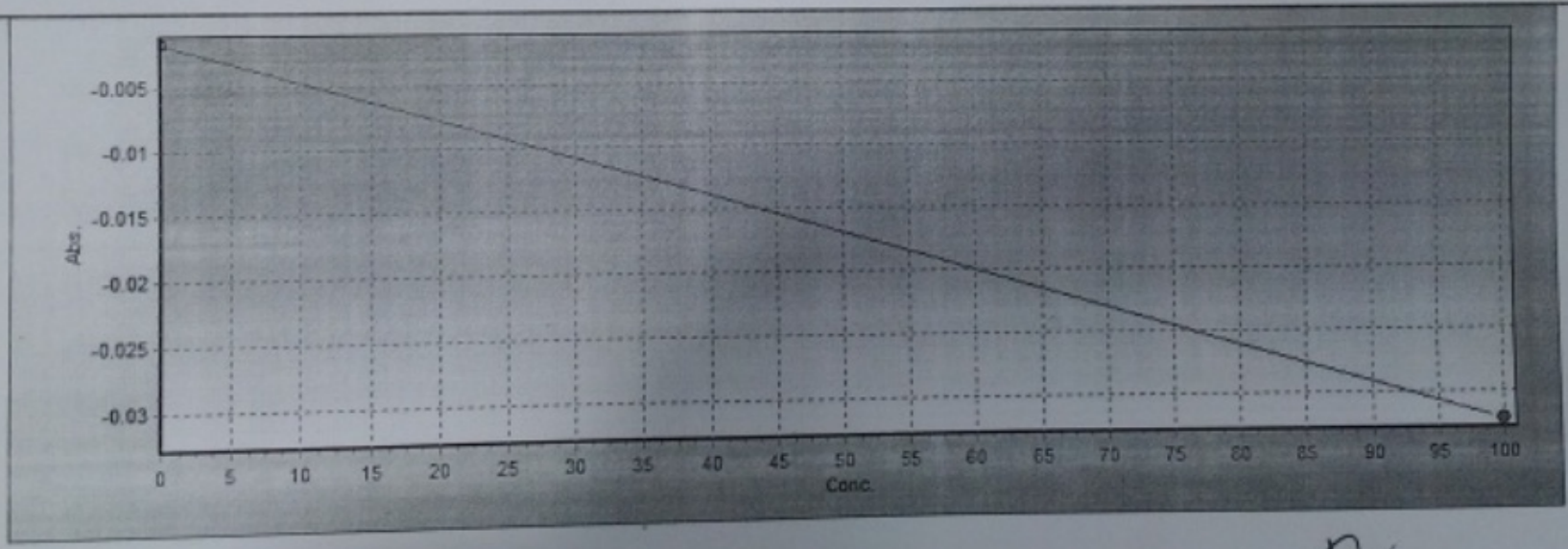
Test Item: AST

Absorbance: -0.00165

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| -0.00165 | -3267.9739 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | -0.00165 | 6. | 0 | 0 |
| 2. | 100 | -0.03225 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:35:27

# Calibration Curve

Calibration Method: 2 Point Linear

Test Item: CREAT JAFFE

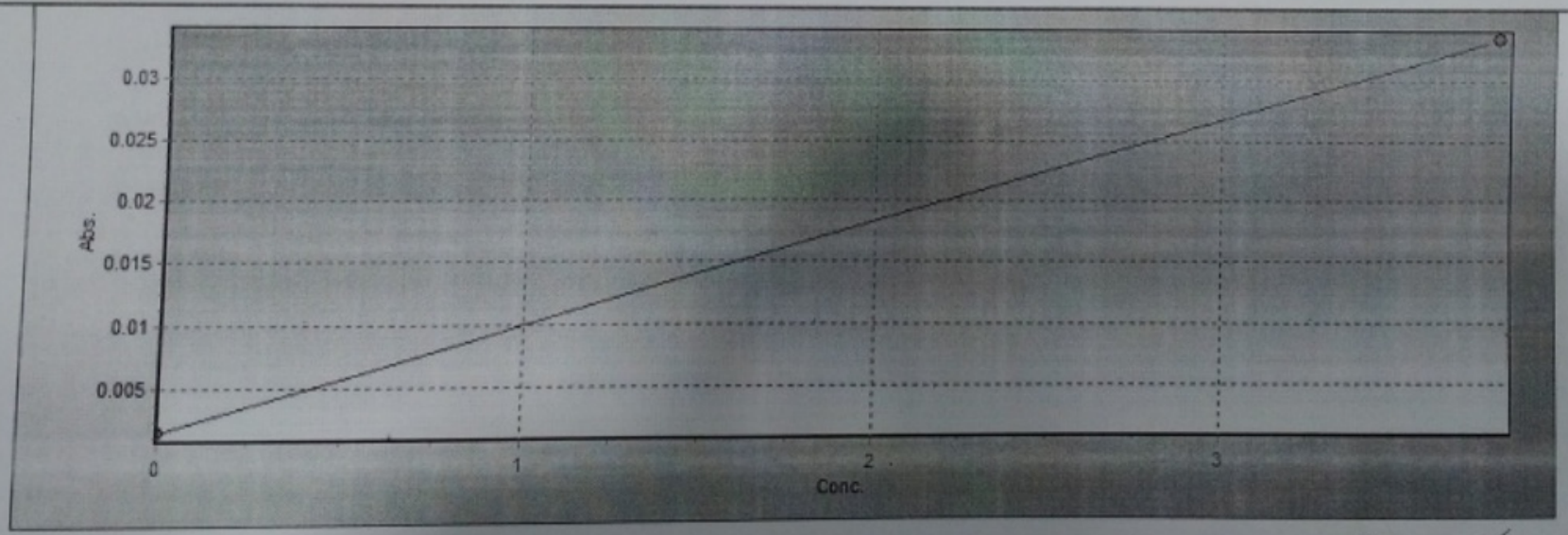
Calibrator: 1

Calibration Time: 27-05-2023 8:22:06

Absorbance: 0.00155

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.00155 | 119.2488 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.00175 | 6. | 0 | 0 |
| 2. | 3.81 | 0.0375 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:36:59

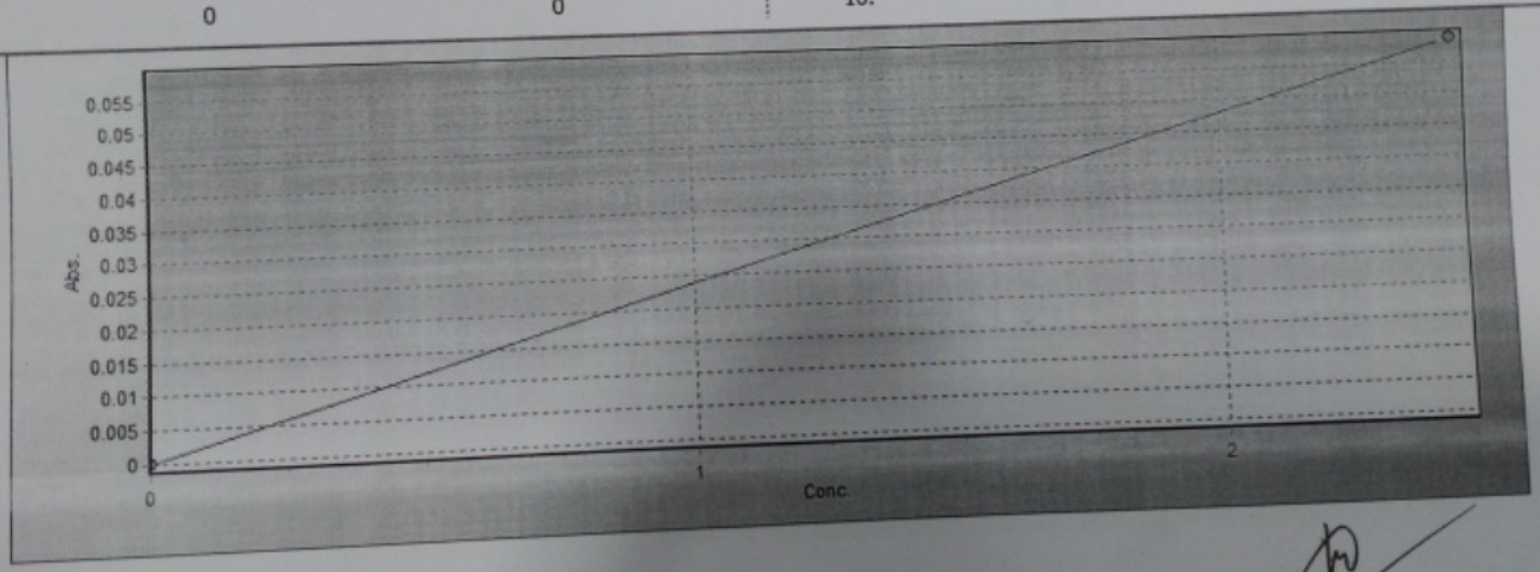
# Calibration Curve

Calibration Method: 2 Point Linear
Calibration Time: 27-05-2023 8:26:37
Test Item: DBIL
Absorbance: -5E
Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| -5E-5 | 41.7732 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. |
|---|---|---|
| 1. | 0 | -5E-5 |
| 2. | 2.45 | 0.0586 |
| 3. | 0 | 0 |
| 4. | 0 | 0 |
| 5. | 0 | 0 |

| Calibration | Concentration | Abs. |
|---|---|---|
| 6. | 0 | 0 |
| 7. | 0 | 0 |
| 8. | 0 | 0 |
| 9. | 0 | 0 |
| 10. | 0 | 0 |




Print By: 1
Print Time: 05-03-2024 16:37:44

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:26:38

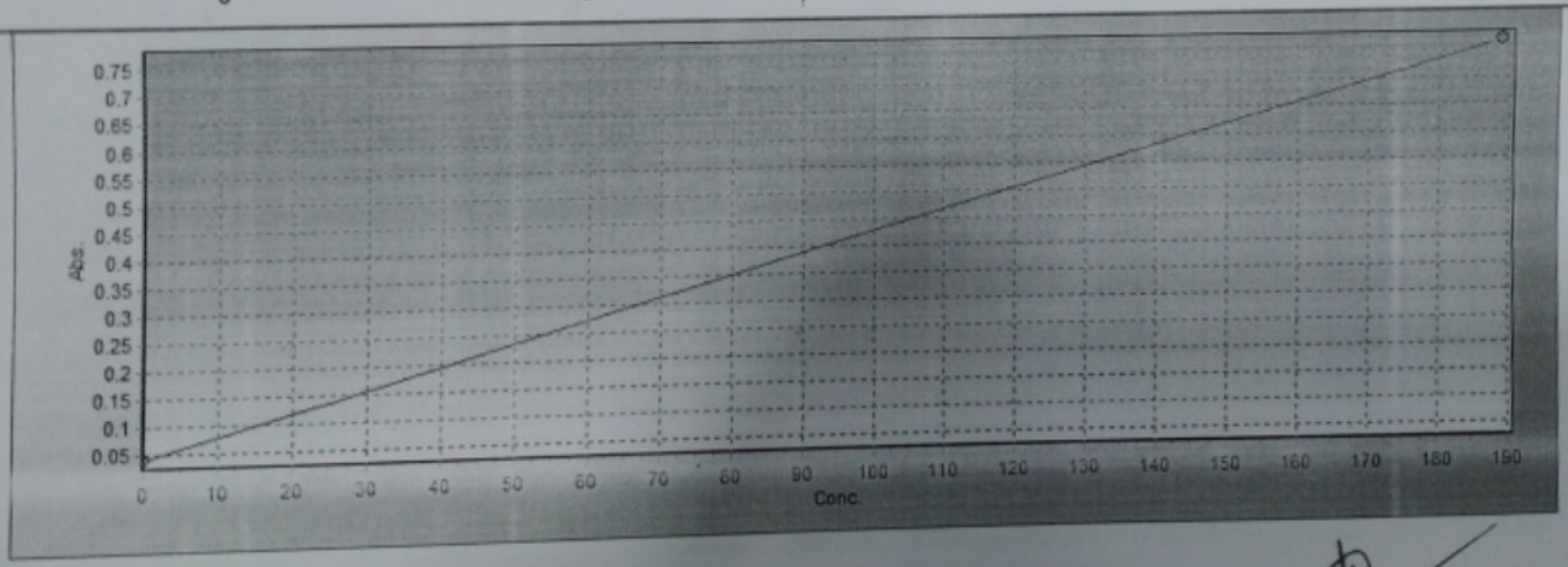
Test Item: GLU

Absorbance: 0.04045

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.04045 | 258.6915 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.04045 | 6. | 0 | 0 |
| 2. | 189 | 0.77105 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:39:02

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:28:37

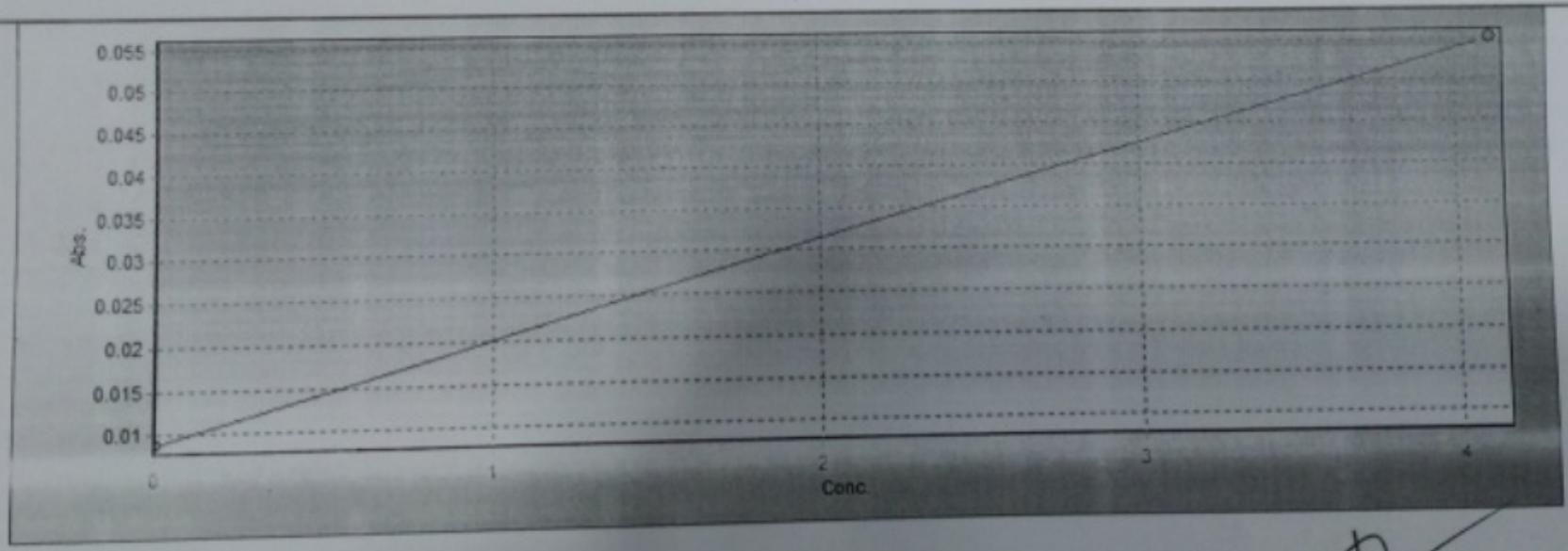
Test Item: TBIL

Absorbance: 0.0088

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.0088 | 88.6731 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.0088 | 6. | 0 | 0 |
| 2. | 4.11 | 0.05515 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:39:39

# Calibration Curve

Calibration Method: 2 Point Linear

Test Item: TC

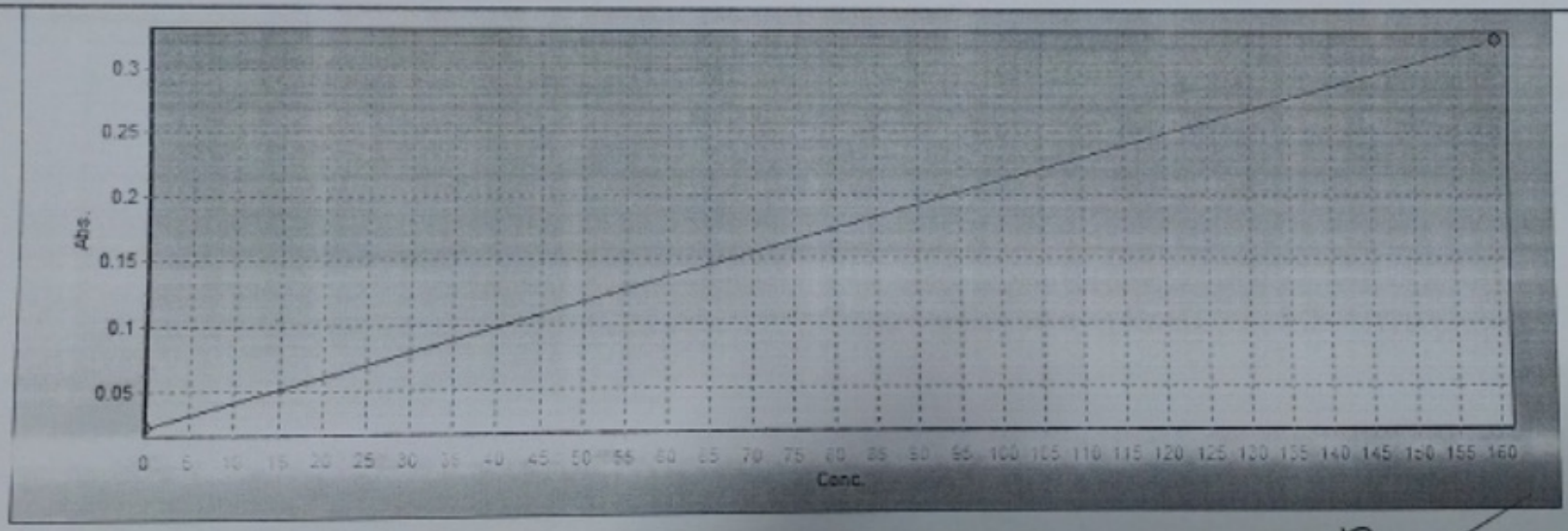
Calibrator: 1

Calibration Time: 27-05-2023 8:26:06

Absorbance: 0.02285

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.02285 | 530.5919 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.0409 | 6. | 0 | 0 |
| 2. | 160 | 0.34115 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:40:15

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:27:06

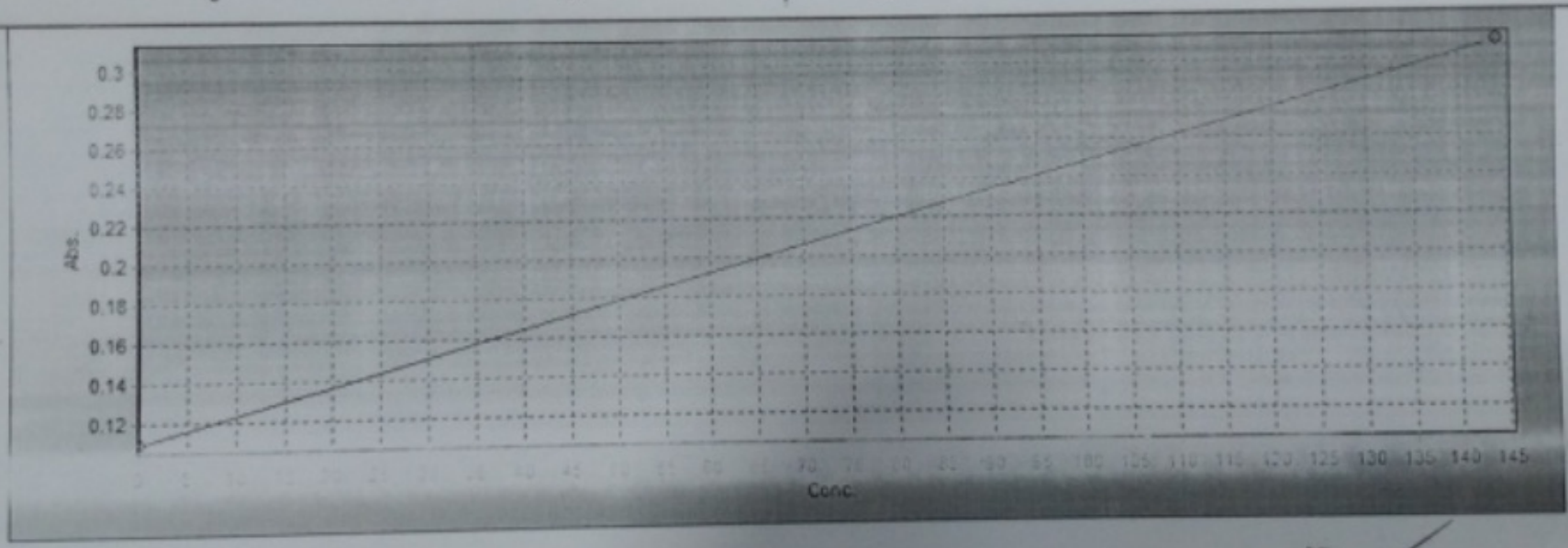
Test Item: TG

Absorbance: 0.10925

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.10925 | 718.9216 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.10925 | 6. | 0 | 0 |
| 2. | 144 | 0.30955 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:40:53

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:31:06

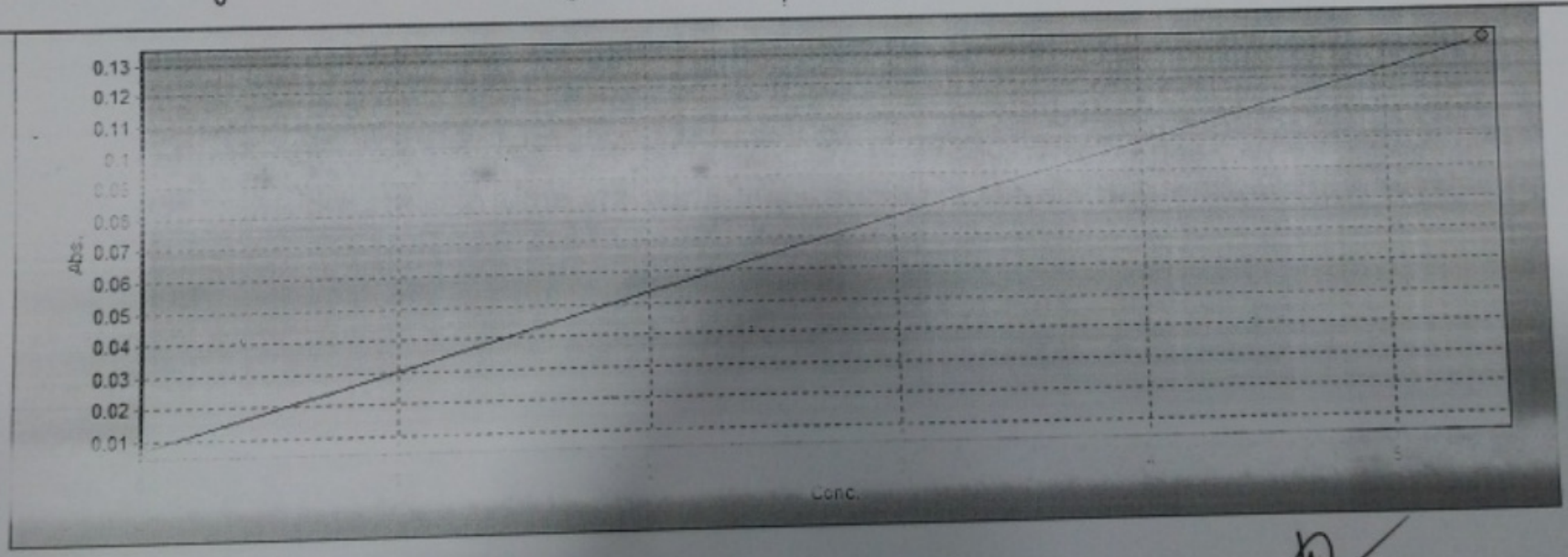
Test Item: TP

Absorbance: 0.00715

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.00715 | 43.2973 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.00715 | 6. | 0 | 0 |
| 2. | 5.41 | 0.1321 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:41:35

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:30:21

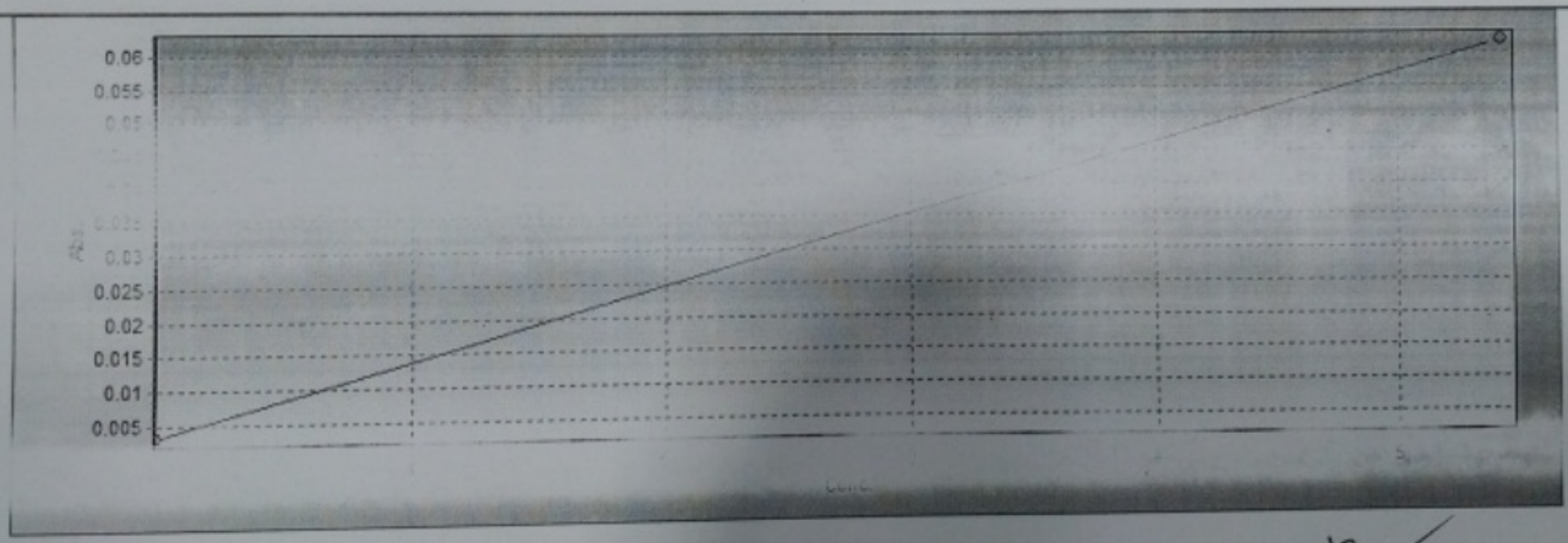
Test Item: UA

Absorbance: 0.003

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| 0.003 | 92.1902 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | 0.003 | 6. | 0 | 0 |
| 2. | 5.43 | 0.0619 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:42:30

# Calibration Curve

Calibration Method: 2 Point Linear

Calibration Time: 27-05-2023 8:29:52

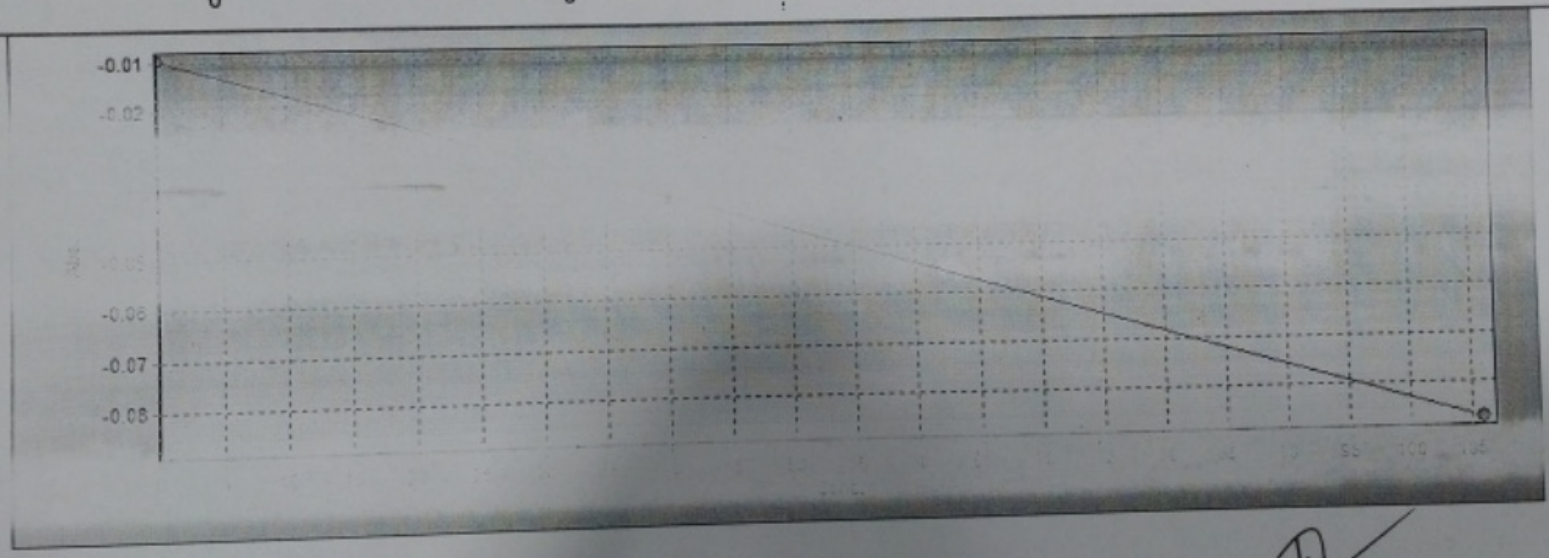
Test Item: UREA

Absorbance: -0.00965

Calibrator: 1

| S1 Abs | K | A | B | C |
|---|---|---|---|---|
| -0.00965 | -1361.5928 | 0 | 0 | 0 |

| Calibration | Concentration | Abs. | Calibration | Concentration | Abs. |
|---|---|---|---|---|---|
| 1. | 0 | -0.0047 | 6. | 0 | 0 |
| 2. | 106 | -0.0803 | 7. | 0 | 0 |
| 3. | 0 | 0 | 8. | 0 | 0 |
| 4. | 0 | 0 | 9. | 0 | 0 |
| 5. | 0 | 0 | 10. | 0 | 0 |




Print By: 1

Print Time: 05-03-2024 16:47:38