



|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: OPD                             |
| Lab ID: <b>00000253</b>              | Registration on: 23/03/2024 10:16:00  |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: 14:50:47                 |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b> |

## CBC ESR

| Test  | Observed Value | Unit     | Biological Reference Interval |
|---|----------------|----------|-------------------------------|
| Haemoglobin                                       | 11.8 L         | g/dL     | 12.0 - 16.0                   |
| Total RBC   | 4.98           | mill./cm | 4.00 - 5.20                   |
| Total WBC   | 9770           | /cmm     | 4000 - 11000                  |
| Platelet Count                                    | 356600         | /cmm     | 150000 - 450000               |
| HCT   | 38.1           | %        | 35.0 - 45.0                   |
| MCV   | 76.5 L         | fL       | 80.0 - 99.0                   |
| MCH   | 23.7 L         | pg       | 27.0 - 34.0                   |
| MCHC  | 31.0 L         | g/dL     | 32.0 - 37.0                   |
| <b>DIFFERENTIAL COUNT</b>                         |                |          |                               |
| Neutrophils                                       | 62             | %        | 40 - 70                       |
| Lymphocytes                                       | 34             | %        | 20 - 40                       |
| Eosinophils                                       | 02             | %        | 02-05                         |
| Monocytes   | 02             | %        | 01-07                         |
| Basophils   | 00             | %        | 00 - 02                       |
| Band Cells  | 00             | %        | 0.0 - 6.0                     |
| <b>ABSOLUTE DIFFERENTIAL COUNT</b>                |                |          |                               |
| Neutrophils                                       | 6057           | /cumm    | 1800 - 7700                   |
| Lymphocytes                                       | 3322           | /cumm    | 800 - 4800                    |
| Eosinophils                                       | 195            | /cumm    | 20 - 500                      |
| Monocytes   | 195 L          | /cumm    | 200 - 1000                    |
| Basophils   | 0              | /cumm    | 0 - 100                       |
| <b>GLR / NLR</b><br>(Neutrophil/Lymphocyte Ratio) | 1.8            |          |                               |
| <b>MENTZER INDEX</b>                              |                |          |                               |
| RDW-CV  | 13.9           | %        | 11.1 - 14.1                   |
| RDW-SD  | 42.5           | fl       |                               |
| MPV   | 8.1            | fl       |                               |
| PCT   | 0.29           | %        |                               |

DR. TEJAL BHATT  
MD. PATHOLOGIST





|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: OPD                             |
| Lab ID <b>00000253</b>               | Registration on: 23/03/2024 10:16:00  |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: 14:50:47                 |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b> |

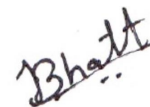
PDW 16.4 %

PERIPHERAL SMEAR EXAMINATION

RBC Morphology Hypochromia (+), Microcytosis (+), Anisocytosis (+),  
WBC Morphology Appear normal, Immature cells are not seen .  
Platelets in Smear Adequate.

Malarial Parasites Not Detected.

ESR  
AFTER 1 HOUR 20 mm/hr 0.0 - 20.0



DR. TEJAL BHATT  
MD. PATHOLOGIST





|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: OPD                             |
| Lab ID: <b>00000253</b>              | Registration on: 23/03/2024 10:16:00  |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: 14:50:47                 |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b> |

## BLOOD GROUP

| <u>Test</u>        | <u>Observed Value</u> | <u>Unit</u> | <u>Biological Reference Interval</u> |
|--------------------|-----------------------|-------------|--------------------------------------|
| <u>Blood Group</u> | "B"                   |             |                                      |
| <u>Rh Factor</u>   | POSITIVE              |             |                                      |

DR. TEJAL BHATT  
MD. PATHOLOGIST





|                                      |   |
|--------------------------------------|---|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: <b>OPD</b>                            |
| Lab ID: <b>00000253</b>              | Registration on: <b>23/03/2024 10:16:00</b> |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: <b>14:50:47</b>                |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b>       |

## BLOOD GLUCOSE TEST

| Test                 | Observed Value  | Unit  | Biological Reference Interval |
|----------------------|-----------------|-------|-------------------------------|
| Sample               | FLOURIDE PLASMA |       |                               |
| <u>FASTING (FBS)</u> |                 |       |                               |
| Blood Sugar-F        | 78.8            | mg/dL | 70.00-110.00                  |

DR. TEJAL BHATT  
MD. PATHOLOGIST



Name: **SAMPADA KAMLESH BACHHAV**

Ward: OPD

Lab ID **00000253**

Registration on: 23/03/2024 10:16:00

Age & Sex: **35 Year | Female**

Reported on: 14:50:48

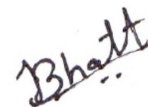
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

## HEMOGLOBIN A1c TEST

| Test               | Observed Value | Unit  | Biological Reference Interval  |
|--------------------|----------------|-------|--|
| <u>HbA1c</u>       | 5.95           | %     | > 8 : Action Suggested<br>7-8 : Good control<br>< 7 : Goal<br>6.2-7 : Near Normal Glycemia<br>< 6.2 : Non-diabetic Level |
| Mean Blood Glucose | 124.1          | mg/dL | 80.0 - 140.0   |

### Importance of HbA1c - Glycated Hb. in Diabetes Mellitus

- HbA1c, also known as Glycated Hemoglobin is the most important test for the assessment of long term blood glucose control (also called glycemic control)
- HbA1c reflects mean blood glucose concentration over past 6-8 weeks and provides a much better indication of long term glycemic control than blood glucose determination
- HbA1c is formed by non-enzymatic reaction between glucose and Hb. , this reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
- Long term complications of diabetes such as retinopathy-eye complications, nephropathy-kidney complications and neuropathy-nerve complications, are potentially serious and can lead to blindness, kidney failure etc.
- Glycemic control monitored by HbA1c measurement using HPLC method-(Gold Standard) is considered most important. (Ref. National Glycohemoglobin Standardization Program -NGSP).

DR. TEJAL BHATT  
MD. PATHOLOGIST



|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: OPD                             |
| Lab ID: <b>00000253</b>              | Registration on: 23/03/2024 10:16:00  |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: 14:50:48                 |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b> |

### LIPID PROFILE

| Test                          | Observed Value      | Unit  | Biological Reference Interval  |
|-------------------------------|---------------------|-------|--|
| Sample                        | Fasting Blood Serum |       |  |
| Cholesterol                   | 122.3               | mg/dL | <200 Desirable<br>200-229 Borderline<br>>240 High  |
| Triglyceride                  | 79.7                | mg/dL | <150 Normal<br>150-199 Borderline<br>200-499 High<br>>=500 Very High                     |
| HDL Cholesterol               | 44.3                | mg/dL | 40-60  |
| VLDL                          | 15.94               | mg/dL | 0.00 - 30.00   |
| LDL Cholesterol               | 62.06               | mg/dL | < 130 : Optimal<br>130 - 159 : Borderline High<br>160 - 189 : High<br>>= 190 : Very High |
| LDL Chol. / HDL Chol. Ratio   | 1.40                |       | 1.0 - 3.4  |
| Cholesterol / HDL Chol. Ratio | 2.8                 |       | 0 - 3.5  |
| Total Lipid                   | 419.6               | mg/dl | 400.0 - 1000.0   |

*Bhatt*

DR. TEJAL BHATT  
MD. PATHOLOGIST





|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: OPD                             |
| Lab ID <b>0000253</b>                | Registration on: 23/03/2024 10:16:00  |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: 14:50:48                 |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b> |

## RENAL FUNCTION TEST

| Test            |      | Unit  |             |
|-----------------|------|-------|-------------|
| S. Creatinine   | 0.87 | mg/dL | 0.5-1.30    |
| Bl. Urea        | 22.2 | mg/dL | 10.0 - 40.0 |
| BUN             | 10.4 | mg/dl | 6.0 - 22.0  |
| Uric Acid       | 4.18 | mg/dL | 2.6 - 6.0   |
| <b>PROTEINS</b> |      |       |             |
| Total Protein   | 7.1  | g/dL  | 6.0 - 8.0   |
| Albumin         | 3.99 | g/dL  | 3.50 - 5.50 |
| Globulin        | 3.1  | g/dL  | 2.5 - 4.0   |
| A/G Ratio       | 1.3  |       |             |

*Bhatt*

DR. TEJAL BHATT  
MD. PATHOLOGIST



Name: **SAMPADA KAMLESH BACHHAV**

Ward: OPD

Lab ID: **00000253**

Registration on: 23/03/2024 10:16:00

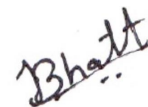
Age & Sex: **35 Year | Female**

Reported on: 14:50:48

Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

## LIVER FUNCTION TEST

| Test                 | Observed Value | Unit  | Biological Reference Interval |
|----------------------|----------------|-------|-------------------------------|
| <b>BILIRUBIN</b>     |                |       |                               |
| Total Bilirubin      | 0.4            | mg/dL | 0.00 - 1.20                   |
| Direct Bilirubin     | 0.2            | mg/dL | 0.00 - 0.40                   |
| Indirect Bilirubin   | 0.20           | mg/dL | 0.00 - 1.00                   |
| SGPT(ALT)            | 11.6           | U/L   | 0.0 - 40.0                    |
| SGOT (AST)           | 13.2           | U/L   | 0.0 - 46.0                    |
| Alkaline Phosphatase | 201.1          | U/L   | 64.0 - 306.0                  |
| <b>PROTEINS</b>      |                |       |                               |
| Total Protein        | 7.1            | g/dL  | 6.0 - 8.0                     |
| Albumin              | 3.99           | g/dL  | 3.50 - 5.50                   |
| Globulin             | 3.1            | g/dL  | 2.5 - 4.0                     |
| A/G Ratio            | 1.3            |       |                               |

DR. TEJAL BHATT  
MD. PATHOLOGIST





|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Name: <b>SAMPADA KAMLESH BACHHAV</b> | Ward: OPD                             |
| Lab ID: <b>00000253</b>              | Registration on: 23/03/2024 10:16:00  |
| Age & Sex: <b>35 Year   Female</b>   | Reported on: 14:50:48                 |
| Reference: <b>VELOCITY HOSPITAL</b>  | Sample Type: <b>BLOOD &amp; URINE</b> |

## URINE ANALYSIS

| Test                           | Observed Value | Unit | Biological Reference Interval |
|--------------------------------|----------------|------|-------------------------------|
| Sample                         | Fresh Urine    |      |                               |
| <u>PHYSICAL EXAMINATION</u>    |                |      |                               |
| Quantity                       | 10.0           | mL   |                               |
| Colour                         | Pale-Yellow    |      |                               |
| Appearance                     | Clear          |      | Clear                         |
| pH                             | 6.5            |      |                               |
| Specific Gravity               | 1.020          |      |                               |
| Sediments                      | Absent         |      | Absent                        |
| <u>CHEMICAL EXAMINATION</u>    |                |      |                               |
| Protein (Albumin)              | Absent         |      | Absent                        |
| Sugar                          | Absent         |      | Absent                        |
| Bile Salts                     | Absent         |      | Absent                        |
| Bile Pigment                   | Absent         |      | Absent                        |
| Ketone                         | Absent         |      | Absent                        |
| Occult Blood                   | Absent         |      | Absent                        |
| Nitrite                        | Absent         |      | Absent                        |
| Leukocyte Esterase             | Absent         |      | Absent                        |
| Urobilinogen                   | Normal         |      | Normal                        |
| <u>MICROSCOPIC EXAMINATION</u> |                |      |                               |
| Pus Cells                      | Occasional     | /hpf | Absent                        |
| Red Blood Cells                | Absent         | /hpf | Absent                        |
| Epithelial Cells               | Occasional     | /hpf | Absent                        |
| Crystals                       | Absent         |      | Absent                        |
| Amorphous material             | Absent         |      | Absent                        |
| Casts                          | Absent         |      | Absent                        |
| Yeast                          | Absent         |      | Absent                        |
| Bacteria                       | Absent         |      | Absent                        |

--- End of Report ---

*Bhatt*

DR. TEJAL BHATT  
MD. PATHOLOGIST

