

Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

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 MD (Pathology)
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|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. MAHESH | PATIENT ID | : 1716435 |
| AGE/ GENDER | : 39 YRS/MALE | REG. NO./LAB NO. | : 042501050002 |
| COLLECTED BY | : | REGISTRATION DATE | : 05/Jan/2025 10:30 AM |
| REFERRED BY | : | COLLECTION DATE | : 05/Jan/2025 11:18AM |
| BARCODE NO. | : A1260254 | REPORTING DATE | : 05/Jan/2025 11:36AM |
| CLIENT CODE. | : KOS DIAGNOSTIC SHAHBAD | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

HAEMATOLOGY

HAEMOGLOBIN (HB)

| | | | |
|------------------|-------------------|-------|-------------|
| HAEMOGLOBIN (HB) | 10.6 ^L | gm/dL | 12.0 - 17.0 |
|------------------|-------------------|-------|-------------|

by CALORIMETRIC

INTERPRETATION:-

Hemoglobin is the protein molecule in red blood cells that carries oxygen from the lungs to the body's tissues and returns carbon dioxide from the tissues back to the lungs.

A low hemoglobin level is referred to as ANEMIA or low red blood count.

ANEMIA (DECREASED HAEMOGLOBIN):

- 1) Loss of blood (traumatic injury, surgery, bleeding, colon cancer or stomach ulcer)
- 2) Nutritional deficiency (iron, vitamin B12, folate)
- 3) Bone marrow problems (replacement of bone marrow by cancer)
- 4) Suppression by red blood cell synthesis by chemotherapy drugs
- 5) Kidney failure
- 6) Abnormal hemoglobin structure (sickle cell anemia or thalassemia).

POLYCYTHEMIA (INCREASED HAEMOGLOBIN):

- 1) People in higher altitudes (Physiological)
- 2) Smoking (Secondary Polycythemia)
- 3) Dehydration produces a falsely rise in hemoglobin due to increased haemoconcentration
- 4) Advanced lung disease (for example, emphysema)
- 5) Certain tumors
- 6) A disorder of the bone marrow known as polycythemia rubra vera,
- 7) Abuse of the drug erythropoietin (Epogen) by athletes for blood doping purposes (increasing the amount of oxygen available to the body by chemically raising the production of red blood cells).

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

*** End Of Report ***




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