



# Labsmart Software

## Sample Letterhead

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<https://www.yourlabname.in/>**Mr. Saubhik Bhaumik**

Age / Sex : 28 YRS / M  
Referred by : Dr. Sachin Patil (MBBS)  
Reg. no. : 1015



1015

Registered on : 28/10/2024 05:58 PM  
Collected on : 28/10/2024  
Received on : 28/10/2024  
Reported on : 28/10/2024 06:04 PM

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**HAEMATOLOGY**

TEST	VALUE	UNIT	REFERENCE
HEMOGLOBIN	14	g/dl	13 - 17

Hemoglobin is the major protein of erythrocytes that transports oxygen from the lungs to peripheral tissues. It is measured by spectrophotometry on automated instruments after lysis of red cells and conversion of all hemoglobin to cyanmethemoglobin.

**Increased in:**

- Hemoconcentration (as in dehydration, Burns, vomiting)
- Polycythemia (erythrocytosis)
- Extreme physical exercise.

**Decreased in:**

- Macrocytic anemia (liver disease, hypothyroidism, vitamin B 12 deficiency, folate deficiency, myelodysplasia)
- Normocytic anemia (early iron deficiency, anemia of chronic disease, hemolytic anemia, acute hemorrhage, bone marrow infiltration),
- Microcytic anemia (iron deficiency, thalassemia) Hemodilution

**Comments:**

The cyanmethemoglobin technique is the method of choice selected by the International Committee for Standardization in Hematology. The method measures all hemoglobin derivatives except sulfhemoglobin by hemolyzing the specimen and adding a reducing agent. As such, this method does not distinguish between intracellular versus extracellular hemoglobin (hemolysis). Hypertriglyceridemia and very high white blood cell counts can cause false elevations of Hb.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

**NOT VALID FOR MEDICO LEGAL PURPOSE**

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.