



Person Name: Jahir Ahmad Jamil Ahmad Shaikh	Marital Status: Married
Age / Sex: 34 / MALE	Test Date: NaT
Sample type: Capillary Whole Blood	ABHA ID: 91780378601444
Family History of Sickle Cell Anemia: Unknown	Sample ID: 226183001745JAHGMC

POINT OF CARE SICKLE CELL ANEMIA TEST

Test Description	RESULT	REFERENCE RANGES
Sickle Cell Anemia (Method: HPOS)	Ra = 0.1437	< 0.16: Normal (HbA) 0.165 – 0.235: Sickle-cell Trait (HbAS) > 0.24: Sickle-cell Disease (HbSS) 0.16-0.165: Inconclusive (Negative Borderline) 0.235 – 0.24: Inconclusive (Positive Borderline)

Test Principle: This point of care quantitative diagnostic test for sickle-cell anemia works on the principle of absorption spectroscopy. The test helps in differentiating heterozygous/homozygous hemoglobin from normal hemoglobin.

Method: High Performance Optical Spectroscopy (HPOS) for detection of Sickle cell trait and sickle cell disease in whole blood capillary blood samples.

Note: Borderline cases are reported as inconclusive. It may occur due to several factors such as medication, transfusion, field conditions and assay process. Further clinical tests are recommended in these cases for diagnosis.

*** END OF REPORT ***

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Note: Assay results should be correlated clinically with other clinical findings