



**LABORATORY REPORT**

<b>Name</b> :	Mr. Suresh Chandra Lohar	<b>Reg. No</b> :	301101191
<b>Sex/Age</b> :	Male/36 Years	<b>Reg. Date</b> :	28-Jan-2023 10:01 AM
<b>Ref. By</b> :		<b>Collected On</b> :	
<b>Client Name</b> :	Mediwheel	<b>Report Date</b> :	28-Jan-2023 03:00 PM

**Medical Summary**

**GENERAL EXAMINATION**

Height (cms) : 169

Weight (kgs) : 66.1

Blood Pressure : 118/70mmHg

Pulse :68 /Min

No Clubbing/Cynosis/Pallor/Pedel Oedem

Systemic Examination:

Cardio vascular System - S1,S2 Normal, No Murmur

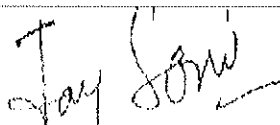
Respiratory system - AEBE

Central Nervous System - No FND

Abdomen - Soft, Non Tender, No Organomegaly

Epilepsy – N/A

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**Dr. Jay Soni**  
M.D, GENERAL MEDICINE

**बैंक ऑफ बड़ोदा**  
**Bank of Baroda**

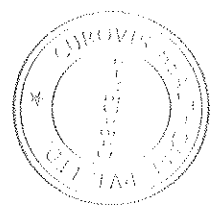
नाम **सुरेश चंद्र लोहार**  
 Name **SURESH CHANDRA LOHAR**

कर्मचारी कुट नं.  
 E.C. No. **172704**

*[Signature]*  
 जर्मिकर्ता प्राधिकारी  
 Issuing Authority

*[Signature]*  
 धारक के हस्ताक्षर  
 Signature of Holder

*File*  
*9824820865*  
*DOB: 06-MAR-1986*



**Dr. Jay Soni**  
 M.D. (General Medicine)  
 Reg. No.: G-23899


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<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : EDTA Whole Blood

Parameter	Results	Unit	Biological Ref. Interval
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**COMPLETE BLOOD COUNT (CBC)**  
 Specimen: EDTA blood

Hemoglobin	15.7	g/dL	13.0 - 18.0
Hematocrit (Calculated)	L 45.90	%	47 - 52
RBC Count	5.53	million/cmm	4.7 - 6.0
MCV	83.1	fL	78 - 110
MCH (Calculated)	28.4	Pg	27 - 31
MCHC (Calculated)	34.2	%	31 - 35
RDW (Calculated)	13.0	%	11.5 - 14.0
WBC Count	5310	/cmm	4000 - 10500
MPV (Calculated)	9.8	fL	7.4 - 10.4

DIFFERENTIAL WBC COUNT	[ % ]		EXPECTED VALUES	[ Abs ]	EXPECTED VALUES
Neutrophils (%)	58	%	42.0 - 75.2	3080 /cmm	2000 - 7000
Lymphocytes (%)	36	%	20 - 45	1912 /cmm	1000 - 3000
Eosinophils (%)	02	%	0 - 6	212 /cmm	200 - 1000
Monocytes (%)	04	%	2 - 10	106 /cmm	20 - 500
Basophils (%)	00	%	0 - 1	0 /cmm	0 - 100

**PERIPHERAL SMEAR STUDY**


RBC Morphology	Normocytic and Normochromic.
WBC Morphology	Normal

**PLATELET COUNTS**

Platelet Count (Volumetric Impedance)	259000	/cmm	150000 - 450000
Platelets	Platelets are adequate with normal morphology.		
Parasites	Malarial parasite is not detected.		
Comment	-		

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**HEMATOLOGY**

**ERYTHROCYTE SEDIMENTATION RATE [ESR]**

<b>ESR 1 hour</b> <i>infra red measurement</i>	03	mm/hr	ESR AT 1 hour : 1-7
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**ERYTHRO SEDIMENTATION RATE, BLOOD -**

Erythrocyte sedimentation rate (ESR) is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0-1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

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<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Flouride F,Flouride PP

Parameter	Result	Unit	Biological Ref. Interval
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**FASTING PLASMA GLUCOSE**  
 Specimen: Flouride plasma

Fasting Blood Sugar (FBS) <i>GOD-POD Method</i>	<b>115.70</b>	mg/dL	70 - 110
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Criteria for the diagnosis of diabetes

1. HbA1c  $\geq$  6.5 \*
- Or
2. Fasting plasma glucose  $>$ 126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.
- Or
3. Two hour plasma glucose  $\geq$  200mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water.
- Or
4. In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose  $\geq$  200 mg/dL.

\*In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing.  
 American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011;34:S11.

**POST PRANDIAL PLASMA GLUCOSE**  
 Specimen: Flouride plasma

Post Prandial Blood Sugar (PPBS) <i>GOD-POD Method</i>	135.2	mg/dL	70 - 140
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Parameter	Result	Unit	Biological Ref. Interval
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**Lipid Profile**

Cholesterol	220.00	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 240
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*Enzymatic, colorimetric method*

Triglyceride	74.90	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 500
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*Enzymatic, colorimetric method*

HDL Cholesterol	58.90	mg/dL	High Risk : < 40 Low Risk : = 60
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*Accelerator selective colorimetric method*

LDL	146.12	mg/dL	Optimal : < 100.0 Near / above optimal : 100-129 Borderline High : 130-159 High : 160-189 Very High : >190.0
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*Calculated*

VLDL	<b>14.98</b>	mg/dL	15 - 35
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*Calculated*

LDL / HDL RATIO	2.48		0 - 3.5
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*Calculated*

Cholesterol /HDL Ratio	3.74		0 - 5.0
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*Calculated*

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**BIO - CHEMISTRY**

## LFT WITH GGT

<b>Total Protein</b> <i>Buret Reaction</i>	6.97	gm/dL	6.3 - 8.2
<b>Albumin</b> <i>By Bromocresol Green</i>	4.70	g/dL	0 - 4 days: 2.8 - 4.4 4 days - 14 yrs: 3.8 - 5.4 14 - 19 yrs: 3.2 - 4.5 20 - 60 yrs: 3.5 - 5.2 60 - 90 yrs: 3.2 - 4.6 > 90 yrs: 2.9 - 4.5
<b>Globulin</b> <i>Calculated</i>	2.27	g/dL	2.3 - 3.5
<b>A/G Ratio</b> <i>Calculated</i>	2.07		0.8 - 2.0
<b>SGOT</b> <i>UV without PSP</i>	23.90	U/L	0 - 40
<b>SGPT</b> <i>UV without PSP</i>	31.40	U/L	0 - 40
<b>Alakaline Phosphatase</b> <i>p Nitrophenylphosphato (PNPP)</i>	51.4	U/L	53 - 128
<b>Total Bilirubin</b> <i>Vanadate Oxidation</i>	0.60	mg/dL	0 - 1.2
<b>Conjugated Bilirubin</b>	0.11	mg/dL	0.0 - 0.4
<b>Unconjugated Bilirubin</b> <i>Calculated</i>	0.49	mg/dL	0.0 - 1.1
<b>GGT</b> <i>SZASZ Method</i>	23.00	mg/dL	15 - 73

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**BIO - CHEMISTRY**

<b>Uric Acid</b> <i>Enzymatic, colorimetric method</i>	5.73	mg/dL	Adult : 3.5 - 8.5 Child : 2.5 - 5.5
<b>Creatinine</b> <i>Enzymatic Method</i>	0.78	mg/dL	Adult : 0.72 - 1.18 Child : 0.5 - 1.0
<b>BUN</b> <i>UV Method</i>	11.20	mg/dL	Adult : 7.0 - 20.0 Child : 5.0 - 18.0

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<b>Location</b> : CHPL		<b>Sample Type</b> : EDTA Whole Blood

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**HEMOGLOBIN A1 C ESTIMATION**  
Specimen: Blood EDTA

*Hb A1C	5.4	% of Total Hb	Normal : < 5.7 % Pre-Diabetes : 5.7 % - 6.4 % Diabetes : 6.5 % or higher
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*Boronate Affinity with Fluorescent Quenching*

Mean Blood Glucose	108.28	mg/dL
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*Calculated*

**Degree of Glucose Control Normal Range:**

Poor Control >7.0% \*

Good Control 6.0 - 7.0 %\*\*Non-diabetic level < 6.0 %

\* High risk of developing long term complication such as retinopathy, nephropathy, neuropathy, cardiopathy, etc.

\* Some danger of hypoglycemic reaction in Type I diabetics.

\* Some glucose intolerant individuals and "subclinical" diabetics may demonstrate HbA1c levels in this area.

**EXPLANATION :-**

\*Total haemoglobin A1 c is continuously synthesised in the red blood cell through its 120 days life span. The concentration of HbA1c in the cell reflects the average blood glucose concentration it encounters.

\*The level of HbA1c increases proportionately in patients with uncontrolled diabetes. It reflects the average blood glucose concentration over an extended time period and remains unaffected by short-term fluctuations in blood glucose levels.

\*The measurement of HbA1c can serve as a convenient test for evaluating the adequacy of diabetic control and in preventing various diabetic complications. Because the average half life of a red blood cell is sixty days, HbA1c has been accepted as a measurement which reflects the mean daily blood glucose concentration, better than fasting blood glucose determination, and the degree of carbohydrate imbalance over the preceding two months.


\*It may also provide a better index of control of the diabetic patient without resorting to glucose loading procedures.

**HbA1c assay Interferences:**

\*Erroneous values might be obtained from samples with abnormally elevated quantities of other Haemoglobins as a result of either their simultaneous elution with HbA1c(HbF) or differences in their glycation from that of HbA(HbS)

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**URINE ROUTINE EXAMINATION**
**PHYSICAL EXAMINATION**

Quantity	20 cc	
Colour	Pale Yellow	
Clarity	Clear	Clear

**CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)**

pH	6	4.6 - 8.0
Sp. Gravity	1.015	1.001 - 1.035
Protein	Nil	Nil
Glucose	Nil	Nil
Ketone Bodies	Nil	Nil
Urobilinogen	Nil	Nil
Bilirubin	Nil	
Nitrite	Nil	Nil
Blood	Nil	Nil

**MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)**

Leucocytes (Pus Cells)	Occasional/lpf	Absent
Erythrocytes (Red Cells)	Nil	Absent
Epithelial Cells	1 - 2/hpf	Absent
Crystals	Absent	Absent
Casts	Absent	Absent
Amorphous Material	Absent	Absent
Bacteria	Absent	Absent
Remarks	-	

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**BLOOD GROUP & RH**

Specimen: EDTA and Serum; Method: Forward Reverse Tube Agglutination

ABO	"B"
Rh (D)	Positive
Note	-

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**IMMUNOLOGY**
**THYROID FUNCTION TEST**

<b>T3 (Triiodothyronine)</b> <i>CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY</i>	1.04	ng/mL	0.86 - 1.92
---	------	-------	-------------

Triiodothyronine (T3) is a hormone synthesized and secreted by the thyroid gland in response to the pituitary hormone TSH (thyroid stimulating hormone) and is regulated by a negative feedback mechanism involving the thyroid gland, pituitary gland and hypothalamus.

In the circulation, 99.7% of T3 is reversibly bond to transport proteins, primarily thyroxine-binding globulin (TBG) and to a lesser extent albumin and prealbumin. The remaining unbound T3 is free in the circulation and is metabolically active.

In hypothyroidism and hyperthyroidism, F T3 (free T3) levels parallel changes in total T3 levels. Measuring F T3 is useful in certain conditions such as normal pregnancy and steroid therapy, when altered levels of total T3 occur due to changes in T3 binding proteins, especially TBG.

<b>T4 (Thyroxine)</b> <i>CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY</i>	10.10	µg/dL	3.2 - 12.6
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Thyroxin (T4) is a hormone synthesized and secreted by the thyroid gland in response to the pituitary hormone TSH (thyroid stimulating hormone) and is regulated by a negative feedback mechanism involving the thyroid gland, pituitary gland and hypothalamus. In the circulation, 99.95% of T4 is reversibly bond to transport proteins, primarily thyroxine-binding globulin (TBG) and to a lesser extent albumin and thyroxine-binding prealbumin. The remaining unbound T4 is free in the circulation and is both metabolically active and a precursor to triiodothyronine (T3)


In hypothyroidism and hyperthyroidism, F T4 (free T4) levels parallel changes in total T4 levels. Measuring FT4 is useful in certain conditions such as normal pregnancy and steroid therapy, when altered levels of total T4 occur due to changes in T4 binding proteins, especially TBG.

**Limitations:**

- 1.The anticonvulsant drug phenytoin may interfere with total and F T4 levels due to competition for TBG binding sites.
- 2.F T4 values may be decreased in patients taking carbamazepine.
- 3.Thyroid autoantibodies in human serum may interfere and cause falsely elevated F T4 results.

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**TSH** 0.690  $\mu$ U/ml 0.55 - 4.78  
CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY

Thyroid stimulating hormone (TSH) is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production. TSH stimulates thyroid cell production and hypertrophy, also stimulate the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

TSH levels During Pregnancy :

First Trimester : 0.1 to 2.5  $\mu$ U/mL

Second Trimester : 0.2 to 3.0  $\mu$ U/mL

Third trimester : 0.3 to 3.0  $\mu$ U/mL

Reference : Carl A. Burtis, Edward R. Ashwood, David E. Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition. Philadelphia: WB Saunders, 2012:2170

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<b>Client Name</b> :	Mediwheel	<b>Report Date</b> :	28-Jan-2023 02:18 PM

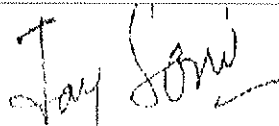
**Electrocardiogram**

**Findings**

Normal Sinus Rhythm.

Within Normal Limit.

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SURESHCHANDRA

HR 68/min

Axis: P 61°

LOHAR

30

Date

Intervals: RR 886 ms

QRS 77°

36 years

P 102 ms

T 22°

169 cm / 66 kg

PR 126 ms

P (II) 0.10 mV

QRS 92 ms

S (V1) -1.17 mV

QT 360 ms

R (V5) 1.33 mV

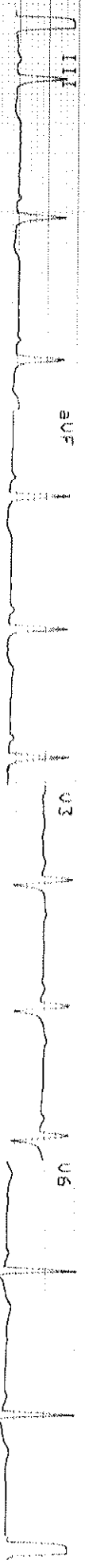
QTc 383 ms

Sokol. 2.67 mV

(Bazett)

10 mm/mV

10 mm/mV



10 mm/mV

25 mm/s

0.05-25 Hz F50 55F 585

28.01.2023 11:25:52

CURROVIS HEALTHCARE

Handwritten signature of a medical professional, likely a cardiologist or technician, in the bottom left corner of the ECG printout.

ST-024 11:24





**LABORATORY REPORT**

<b>Name</b> :	Mr. Suresh Chandra Lohar	<b>Reg. No</b> :	301101191
<b>Sex/Age</b> :	Male/36 Years	<b>Reg. Date</b> :	28-Jan-2023 10:01 AM
<b>Ref. By</b> :		<b>Collected On</b> :	
<b>Client Name</b> :	Mediwheel	<b>Report Date</b> :	28-Jan-2023 02:18 PM

**2D Echo Colour Doppler**

**OBSERVATION:**

2 D Echo and color flow studies were done in long and short axis, apical and Sub costal views.


1. Normal LV size. No RWMA at rest.
2. Normal RV and RA. No Concentric LVH.
3. All Four valves are structurally normal.
4. Good LV systolic function. LVEF = 60%.
5. Normal LV Compliance.
6. Trivial TR. Mild MR. No AR.
7. No PAH. RVSP = 30 mmHG.
8. Intact IAS and IVS.
9. No Clot, No Vegetation.
10. No pericardial effusion.

**CONCLUSION**

1. Normal LV size with Good LV systolic function.
2. No Concentric LVH. Normal LV Compliance
3. Trivial TR with No PAH. Mild MR. No AR
4. No RWMA at rest.

**This echo doesn't rule out any kind of congenital cardiac anomalies.**

This is an electronically authenticated report



**Dr. Jay Soni**  
M.D, GENERAL MEDICINE



**LABORATORY REPORT**

**Name** : Mr. Suresh Chandra Lohar  
**Sex/Age** : Male/36 Years  
**Ref. By** :  
**Client Name** : Mediwheel

**Reg. No** : 301101191  
**Reg. Date** : 28-Jan-2023 10:01 AM  
**Collected On** :  
**Report Date** : 28-Jan-2023 03:15 PM

**USG ABDOMEN**

**Liver** appears normal in size & echogenicity. No evidence of focal solid or cystic lesion seen. No evidence of dilatation of intra hepatic biliary or portal radicals. PV is normal in caliber

**Gall bladder is normally distended and shows 7.4 mm sized of sludge ball.** No evidence of calculus or mass seen. Gall bladder wall thickness appears normal.

**Pancreas** Visualized portion appears normal in size and echopattern. No evidence of focal lesions.

**Spleen** appears normal in size & echopattern. No evidence of focal lesions.

**Both kidneys** are normal in size, shape and position. C.M. differentiation on both sides is maintained. No evidence of hydronephrosis, calculus or solid mass on either side.

**Urinary bladder** is partially distended. No evidence of calculus or mass.

**Prostate** appears normal in size and echopattern. No evidence of focal lesions.

No evidence of free fluid in peritoneal cavity.

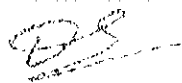
No evidence of para-aortic lymph adenopathy.

No evidence of dilated small bowel loops.

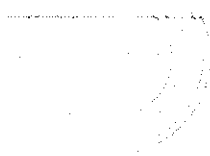
**COMMENTS :**

**Sludge ball in GB.**

This is an electronically authenticated report



**DR DHAVAL PATEL**  
Consultant Radiologist  
MB,DMRE  
Reg No:0494



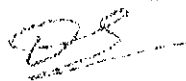


**LABORATORY REPORT**

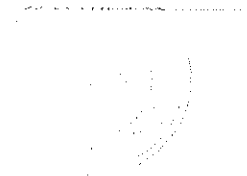
**Name** : Mr. Suresh Chandra Lohar  
**Sex/Age** : Male/36 Years  
**Ref. By** :  
**Client Name** : Mediwheel

**Reg. No** : 301101191  
**Reg. Date** : 28-Jan-2023 10:01 AM  
**Collected On** :  
**Report Date** : 28-Jan-2023 03:15 PM

This is an electronically authenticated report



**DR DHAVAL PATEL**  
Consultant Radiologist  
MB,DMRE  
Reg No:0494





LABORATORY REPORT

<b>Name</b> :	Mr. Suresh Chandra Lohar	<b>Reg. No</b> :	301101191
<b>Sex/Age</b> :	Male/36 Years	<b>Reg. Date</b> :	28-Jan-2023 10:01 AM
<b>Ref. By</b> :		<b>Collected On</b> :	
<b>Client Name</b> :	Mediwheel	<b>Report Date</b> :	28-Jan-2023 03:16 PM

X RAY CHEST PA

Both lung fields appear clear.

No evidence of any active infiltrations or consolidation.

Cardiac size appears within normal limits.

Both costo-phrenic angles appear free of fluid.

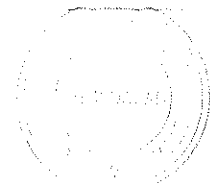
Both domes of diaphragm appear normal.

**COMMENT: No significant abnormality is detected.**

----- End Of Report -----

This is an electronically authenticated report

**DR DHAVAL PATEL**  
Consultant Radiologist  
MB,DMRE  
Reg No:0494





**LABORATORY REPORT**

**Name** : Mr. Suresh Chandra Lohar **Reg. No** : 301101191  
**Sex/Age** : Male/36 Years **Reg. Date** : 28-Jan-2023 10:01 AM  
**Ref. By** : **Collected On** :  
**Client Name** : Mediwheel **Report Date** : 28-Jan-2023 02:57 PM

**Eye Check - Up**

No Eye Complaints

**RIGHT EYE**

SP: -2.75

CY: -0.50

AX: 20

**LEFT EYE**

SP : -2.50

CY : -0.50

AX :04

	Without Glasses	With Glasses
Right Eye	6/36	6/5
Left Eye	6/36	6/5

Near Vision: Right Eye - N/6, Left Eye - N/6

Fundus Examination - Within Normal Limits.

Color Vision : Normal

Comments: Normal

----- End Of Report -----

This is an electronically authenticated report



**Dr Kejal Patel**  
MB,DO(Ophth)

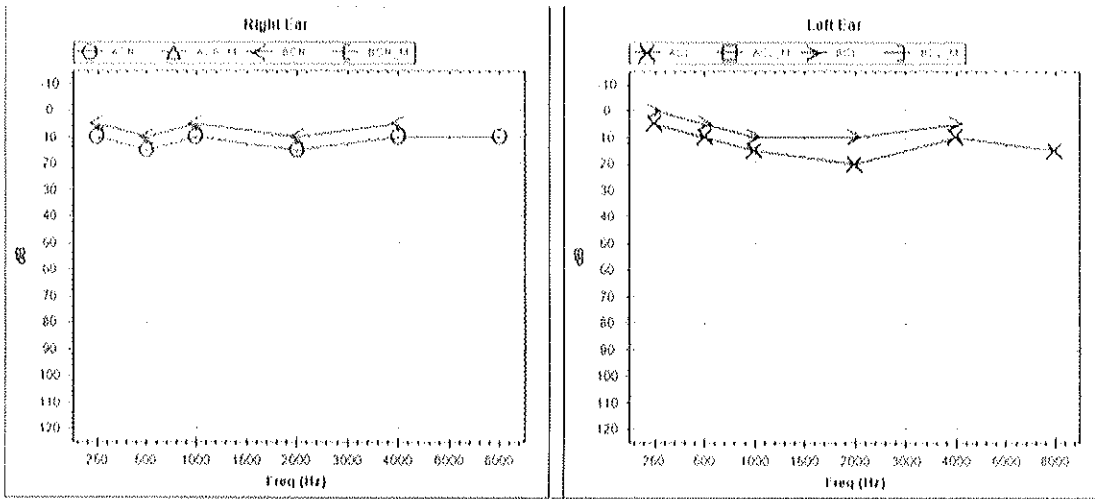
NAME:- SURESHCHANDRA LOHAR.

ID NO :-

AGE:- 36Y/ M

Date:- 28/01/2023

## AUDIOGRAM



EAR	MODE	Air Conduction		Bone Conduction		Colour Code
		Masked	UnMasked	Masked	UnMasked	
Left		□	×	□	>	Blue
Right		△	○	□	<	Red

NO RESPONSE : Add J below the respective symbols

Threshold in dB	RIGHT	LEFT
AIR CONDUCTION	10.5	10.5
BONE CONDUCTION		
SPEECH		

Comments:-

Bilateral Hearing Sensitivity Within Normal Limits.

