



### TEST REPORT

**Reg. No :** 213670  
**Name :** JAY SONI  
**Age :** 30 Years **Sex :** MALE  
**Referred By :** STERLING ACCURIS WELLNESS PVT LTD  
**Location :** STERLING ACCURIS WELLNESS PVT LTD  
 (AHMEDABAD)

**Collected On :** 03-Nov-2022 12:58  
**Report Date :** 04-Nov-2022  
**Dispatch At :**  
  
**Telephone No :** 30909999

### INTEGRATED CRYSTALLOGRAPHIC ANALYSIS OF RECEIVED CALCULI

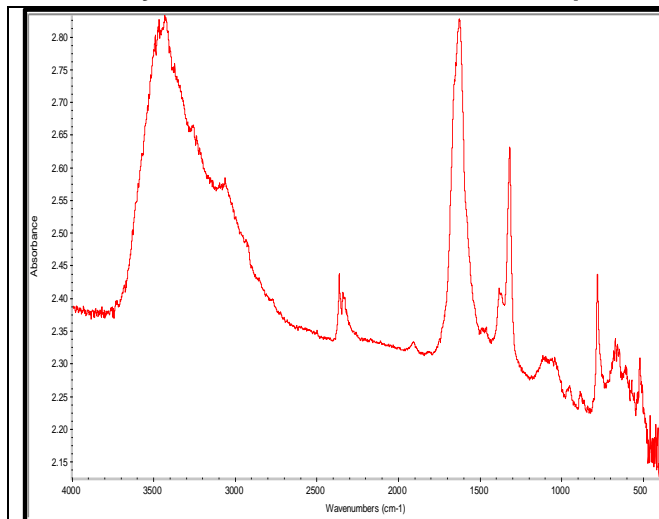
#### Gross and Micro Analysis:

Specimen consists of two, irregular calculi of size of 0.4 x 0.6 cms, and weighing 23 mgs. The outer surface is rough and shows admixture of dark and light brown colour.

Calculus composed of an intermixed mass of subcrystalline to random oriented monoclinic needles of Calcium Oxalate monohydrate and fine to well developed bi-pyramidal crystals of Calcium Oxalate Dihydrate. A protein matrix is demonstrated.

No distinct nidus is microscopically seen.

#### FT-IR Analysis: Fourier Transform Infrared Spectroscopy:



Analysis graph of stone




Each Square = 1 Sq. mm

#### Principal Stone Components (Results):

Chemical Name	Approximate Percentage	Mineralogical Name	Formula
Calcium Oxalate Monohydrate	60 %	Whewellite	$\text{CaC}_2\text{O}_4 \cdot \text{H}_2\text{O}$
Calcium Oxalate Dihydrate	31 %	Weddellite	$\text{CaC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$
Protein and Blood	09 %		

End of Report

  
**Approved by:** DR.SANJEEV MEHTA  
**Generated on:** 04-Nov-2022 08:38

This is an electronically authenticated report.

**Approved On:** 04-Nov-2022  
**Report ID:** 031122125825173