LUCID Laboratories Pvt. Ltd.
Testing to the Core

Issued to:
**M/S. SUMANTH MINERALS**
9th Ward, Door No:1727,Plot No:2080, Rajaji nagar
M P Prakash Ngar, Hospet-583201.

Report No. : LL/25-26/009401/1
Issue Date : 29/11/2025
Customer Ref.: Test Request Form

Kind Attn.:Mr. Sumanth Minerals

Ref.Date : 27/11/2025

**Sample Particulars : Quartz Sample**

**Sample description : Quartz Sample**

**Qty. Received :** ~50 Grms X 1 No

**Mode of Packing :** Polythene cover
**Test Parameters :** Chemical Analysis and EC

**Date of Receipt of Sample** : 27/11/2025
**Date of completion of analysis :** 29/11/2025

**Date of Starting of Analysis :** 27/11/2025

*SAMPLE TESTED AS RECEIVED*

## TEST RESULTS

| S.No | Test Parameter | Units | Results | Test method |
|---|---|---|---|---|
| 1 | Silica as SiO2 | % by mass | 99.27 | IS 1917 (Part-3) |
| 2 | Iron as Fe2O3 | % by mass | 0.30 | SOP OM-2(ICP-OES) |
| 3 | Aluminum as Al2O3 | % by mass | 0.25 | SOP OM-2(ICP-OES) |
| 4 | Calcium as CaO | % by mass | 0.01 | SOP OM-2(ICP-OES) |
| 5 | Magnesium as MgO | % by mass | 0.01 | SOP OM-2(ICP-OES) |
| 6 | Potassium as K2O | % by mass | 0.03 | IS 1917 (Part-2) |
| 7 | Sodium as Na2O | % by mass | 0.02 | IS 1917 (Part-2) |
| 8 | Titanium as TiO2 | % by mass | <0.01 | SOP OM-2(ICP-OES) |
| 9 | Manganese as MnO | % by mass | <0.01 | SOP OM-2(ICP-OES) |
| 10 | Vanadium as V2O5 | % by mass | <0.01 | SOP OM-2(ICP-OES) |
| 11 | Phosphorus as P2O5 | % by mass | <0.01 | SOP OM-2(ICP-OES) |
| 12 | Loss on Ignition (LOI) | % by mass | 0.10 | IS 1917 (Part-1) |
| 13 | Electrical Conductivity (10%aqueous Solution) | us/cm | 4.42 | SOP OM 02 |

**Note :**The above results are expressed as on dry basis.except Electrical Conductivity
**NOTE :** This report and results relate only to the sample / items tested.

***End of Report***

**Reviewed by**

**A.L.Kanta Rao**
**Authorized Signatory**



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