



CALIBRATION CERTIFICATE

Certificate No. :	AICS/35112	Date of Calibration :	07-11-2025.
SRF No. :	25/1025	Due Date of Calibration :	06-11-2026.
SRF Date :	05-11-2025.	Certificate Issue Date :	08-11-2025.
Name & Address of Organization :	REVE NANO-SCIENCE LLP 601, Nakshatra Biz, Opp Ankur school Paldi, Ahmedabad-380006 INDIA		
Service Request Details :	Calibration		
Discipline / Group :	Electro Technical / Agricultural Products		
Details Of Unit Under Calibration.			
Instrument Name :	Digital AI based IoT Technology (Soil Analyzer)		
Make / Model No. :	REVE / SoilX		
Sr No. / ID No. :	SN-2025-001 / ADI-LAB-01		
Condition of the Item :	Working & Satisfactory.		
Instrument Type :	Digital & IoT Base		
Range :	AS Per Table		
Sr No .	Parameter	Working Range	Unit
1	pH	5.5 – 8.5	pH
2	Electrical Conductivity (EC)	100 – 2000	µS/cm
3	Organic Carbon	0.2 – 2.5	%
4	Nitrogen (N)	50 – 500	mg/kg
5	Phosphorus (P)	10 – 60	mg/kg
6	Potassium (K)	100 – 800	mg/kg
7	Sulphur (S)	5 – 50	mg/kg
8	Boron (B)	0.2 – 2.0	mg/kg
9	Copper (Cu)	0.1 – 5.0	mg/kg
10	Ferrous (Fe)	2 – 50	mg/kg
11	Manganese (Mn)	2 – 50	mg/kg
12	Zinc (Zn)	0.5 – 5.0	mg/kg
13	Moisture	0 – 100	%
14	Lead Absorbance Index	0 – 5	Ratio
15	Termite Influence Index	0 – 10	Ratio
16	Mercury Residual Index	0 – 20	Ratio
17	Aflatoxin Risk Index	0 – 50	Ratio
18	Relative Bacterial Index	0 – 50	Ratio
19	Chemical Residue Index	0 – 5	Ratio
20	Fungal Activity Index	0 – 50	Ratio
21	Humus Content Index	0.5 – 10	Ratio
22	Carbon Sequestration Potential	0 – 100	Ratio
Calibrated By	Witnessed by	Authorised Signatory	
Hardik Solanki Cal. Engineer		Milan Ajudiya Head Of Laboratory	

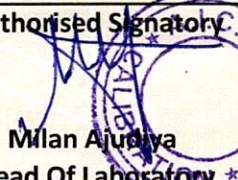
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Calibration Results - Table 1

Sr No .	Parameter	Master Value	UUC Value	Error	Unit
1	pH	5.5	5.60	0.10	pH
		8.5	8.40	-0.10	
2	Electrical Conductivity (EC)	100.0	102.00	2.00	µS/cm
		2000.0	1995.00	-5.00	
3	Organic Carbon	0.2	0.30	0.10	%
		2.5	2.60	0.10	
4	Nitrogen (N)	50.0	51.00	1.00	mg/Kg
		500.0	502.00	2.00	
5	Phosphorus (P)	10.0	10.10	0.10	mg/Kg
		60.0	59.80	-0.20	
6	Potassium (K)	100.0	99.00	-1.00	mg/Kg
		800.0	798.00	-2.00	
7	Sulphur (S)	5.0	5.10	0.10	mg/Kg
		50.0	50.20	0.20	
8	Boron (B)	0.2	0.21	0.01	mg/Kg
		2.0	2.05	0.05	
9	Copper (Cu)	0.1	0.11	0.01	mg/Kg
		5.0	5.04	0.04	
10	Ferrous (Fe)	2.0	1.99	-0.01	mg/Kg
		50.0	50.40	0.40	
11	Manganese (Mn)	2.0	2.02	0.02	mg/Kg
		50.0	50.40	0.40	
12	Zinc (Zn)	0.5	0.49	-0.01	mg/Kg
		5.0	5.02	0.02	
13	Moisture	10.0	10.01	0.01	mg/Kg
		100.0	99.50	-0.50	

Calibrated By  Hardik Solanki Cal. Engineer	Witnessed by	Authorised Signatory  Milan Arudya Head Of Laboratory
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Calibration Results - Table 2

Sr No .	Parameter	Range	Unit	Observed Status
1	Lead Absorbance Index	0 – 5	Ratio	Within Limit
2	Termite Influence Index	0 – 10	Ratio	Within Limit
3	Mercury Residual Index	0 – 20	Ratio	Within Limit
4	Aflatoxin Risk Index	0 – 50	Ratio	Within Limit
5	Relative Bacterial Index	0 – 50	Ratio	Within Limit
6	Chemical Residue Index	0 – 5	Ratio	Within Limit
7	Fungal Activity Index	0 – 50	Ratio	Within Limit
8	Humus Content Index	0.5 – 10	Ratio	Within Limit
9	Carbon Sequestration Potential	0 – 100	Ratio	Within Limit

Environmental Conditions : Temperature: $25 \pm 5^{\circ}\text{C}$ | Humidity: $50 \pm 10\% \text{ RH}$

Calibration Method : Calibration using "Reve Standard Soil Following the process described in the Reve Calibration App and verified by reference standards.

Calibration Statement:

Calibration has been carried out as per REVE NANO-SCIENCE LLP – Quality Manual and verified using standard procedures. The calibration process was performed following Absolute Instruments Calibration Services LLP internal methods and manufacturer's specifications.

Reference standards were used to ensure accuracy, and the analyzer was tested against Reve Standard Soil and Traceable Master Instruments Of Absolute Instruments Calibration Services LLP

Upon evaluation, **the SoilX Instrument was found within specified accuracy limits and confirmed to be in satisfactory working condition at the time of calibration.**

Remark :

- UUC : Unit Under Calibration
- Calibration carried out using standard methods and reference materials.
- The instrument is found within specified tolerance as per manufacturer's recommendation.

Calibrated By

Hardik Solanki
Cal. Engineer

Witnessed by

Authorised Signatory

Milan Ajudiya

Head Of Laboratory

END OF CERTIFICATE

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