

**TEST REPORT**

REPORT NUMBER: SAIPL/TR/SL-78/2025

DATE: 04.05.2025

Name of Farmer : Omkar Prasad Rai (Panbharel) ULR Number :TC1215825000000078F
Address and Contact details : A/P- Thanwari, Kharsaru thana, Tal-Dhanora, Dist-Seoni Madhyapradesh-480994 Sample Registration No :SAIPL/SL-78/2025
Contact No: : 9301580060
Name of Sample : Agricultural Soil Date of Receipt of sample 24.04.2025
Sample Quantity and Packing : 1KG Date of start of analysis 28.04.2025
Sample Drawn by : Customer Date of completion 04.05.2025

Sampling Details

Gat No/Plot No : NA Variety /Crop NA
Name of sampler : NA Date of sampling NA
Sampling Method : NA Proposed Crop Maize

Test Results:

Sr. No	Name of Test Parameter	Unit	Test Method	Limits	Remark	Test Results
1	pH सामू	-	Methods manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture, , page no. 77:2011	< 6.5	Acidic	
				6.5-8.5	Normal	7.77
				8.5-9.0	Basic	
				>9.0	Highly Basic	
2	Electrical Conductivity विद्युत वाहकता	dsm-1	Methods manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture, , page no. 81:2011	<1.00	Normal	0.114
				1.00-2.00	Moderately High	
				>2.00	High	
3	Water Holding Capacity पाणी धारक क्षमता	%	SAIPL/STP/7.2/16, Issue 01, 16.06.2022	<25	Low	
				25-50	Normal	
				>50	High	61
4	Calcium Carbonate चुनखडी	%	SAIPL/STP/7.2/03, Issue 01, 16.06.2022	<1.00	Low	
				1.00-5.00	Normal	3.50
				>5.00	High	
5	Total Organic Carbon सैद्रिय कर्ब	%	Methods manual of soil testing in India. Deptt of Agriculture Coop, Ministry of Agriculture, January 2011, Determination of Organic Carbon, page no. 84:2011	<0.4	Low	
				0.41-0.75	Normal	
				0.75	High	1.248



6	Available Nitrogen उपलब्ध नत्र	Kg/ha	SAIPL/STP/7.2/05, Issue 01, 16.06.2022	<280	Low	269.40
				281-560	Normal	
				>560	High	
7	Available Phosphorus उपलब्ध स्फुरद	Kg/ha	Methods manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture, January 2011, page no 98, 2011	<12.5	Low	5.06
				12.5-25	Normal	
				>25	High	
8	Available Potassium उपलब्ध पालाश	Kg/ha	Method manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture Page 99, 2011	<135	Low	
				135-335	Normal	
				>335	High	422.67
9	Available Calcium उपलब्ध कैल्शियम	mg/Kg	SAIPL/STP/7.2/10, Issue 01, 16.06.2022	<585	Low	
				>585	High	5938.86
10	Available Magnesium उपलब्ध मैग्नेशियम	mg/Kg	SAIPL/STP/7.2/11, Issue 01, 16.06.2022	<390	Low	
				>390	High	1093.03
11	Available Sulphur उपलब्ध गंधक	mg/Kg	SAIPL/STP/7.2/08, Issue 01, 16.06.2022	<22.4	Low	16.50
				22.4-35.00	Normal	
				>35	High	
12	Available Sodium उपलब्ध सोडियम	mg/Kg	SAIPL/STP/7.2/09, Issue 01, 16.06.2022	Upto 400	Normal	97.03
				>400	High	
13	Available Copper उपलब्ध तांबे	mg/Kg	Method manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture page 111, 2011	<0.2	Low	
				0.2-0.4	Normal	
				>0.4	High	1.68
14	Available Zinc उपलब्ध झिंक	mg/Kg	Method manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture page 109, 2011	<0.6	Low	0.36
				0.6-1.2	Normal	
				>1.2	High	



15	Available Iron उपलब्ध लोह	mg/Kg	Method manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture, page 112, 2011	<4.5	Low	
				4.5-9.0	Normal	
				>9.0	High	15.54
16	Available Manganese उपलब्ध मँगनीज	mg/Kg	Method manual of soil testing in India. Deptt of Agriculture and Coop, Ministry of Agriculture, page 113, 2011	<3.5	Low	
				3.5-7.0	Normal	
				>7.0	High	32.93
17	Available Boron उपलब्ध बोरॉन	mg/Kg	SAIPL/STP/7.2/17, Issue 01, 16.06.2022	<0.5	Low	0.434
				0.5-1.0	Normal	
				>1.0	High	

Note: Based on Test Request form MU is ignored while providing the conformity (Remarks) Rating Chart as per Handbook of Agriculture, ICAR, New Delhi, Page 516

Reviewed By:

Name: Ms. Pallavi Mali Gunde
Designation: Quality Manager



END OF TEST REPORT

Authorised Signatory:

Name: Ms. Inderjit Kaur
Designation: Technical Manager

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Sr.No	Name of Test Parameter	Unit	Limits	Remark	Test Results
1	Porosity (पोरो सीटी)	%	>50	Normal(पुरेसे)	50.00
			<50	Less(कमी)	..
2	Texture(sand,silt, clay)(टेक्सचर(सैंड सिल्ट क्ले)	%	..	..	83.92:2:14.08
3	Texture Type (टेक्सचर टाईप)	..	..	..	Sandy Loam
4	Cation Exchange Capacity (कैशन एक्सचेंज क्षमता)	meq/100 g	<10	Low	
			10-15	Medium	
			>20	High	39.71

Reviewed By:

Name: Ms. Pallavi Mali Gunde
Designation: Quality Manager



Authorised Signatory:

Name: Ms. Inderjit Kaur
Designation: Technical Manager