

वसुंधरा लॅब

N4, Near Renuka Mata Temple, Nimbalak Road,
Nagapur MIDC Ahmednagar 414111
State Name : Maharashtra, Code:27

Registration No	.
Sample Received On	05/11/2025
Analysis Completed On	11/11/2025

Name of Farmer:	Sudam labde [Medium black soil]				
Place:	Bhatodi	Tal:	Nagar	Dist:	Ahilyanagar
Previous Crop:	.	Next Crop:	..		
		Survey/GAT No:	..	Mob No:	7263049115

माती परीक्षण अहवाल

SRNO	PARAMETERS	UNIT	METHOD USED	LIMITS	RATING	RESULT
1	pH (सामू.)		1:2.5 soil water suspension on pH meter	<6.50	Acidic (आम्ल)	5.89
				6.50-7.50	Normal (उदासीन)	
				7.50-8.10	Slightly Alkaline	
				8.10-8.50	Moderately Alkaline (अल्कधर्मी)	
				>8.50	Strong Alkaline (जास्त अल्कधर्मी)	
2	Electrical Conductivity (विद्युत वाहकता)	dSm-1	1:2.5 soil water suspension on Conductivty meter	<0.50	Normal (सर्वसाधारण)	0.30
				0.50-1.50	Medium (थोडे जास्त)	
				>1.50	High (जास्त)	
				>3.00	Very High (अत्यंत जास्त)	
3	Water Holding Capacity (पाणी धारक क्षमता)	%	Filter Paper	<25.00	Low (कमी)	
				25.00-50.00	Normal (पुरेसे)	
				>50.00	High (जास्त)	60.00
4	Calcium Carbonate (मुक्त चुना)	%	Rapid Titration	1.00-5.00	Low (कमी)	
				5.00-10.00	Normal (पुरेसे)	8.68
				10.00-15.00	High (जास्त)	
				>15.00	Very High (हानिकारक)	
5	Organic Carbon (सैद्रिय कर्ब)	%	Wet Oxidation	<0.20	Very Low (अत्यंत कमी)	
				0.20-0.40	Low (कमी)	0.32
				0.41-0.80	Normal (पुरेसे)	
				0.81-1.00	High (जास्त)	
				>1.00	Very High (अत्यंत जास्त)	
6	Available Nitrogen (उपलब्ध नत्र)	Kgha-1	Alkaline KMnO4	<141.00	Very Low (अत्यंत कमी)	
				141.00-280.00	Low (कमी)	
				281.00-560.00	Normal (मध्यम)	384.30
				561.00-700.00	High (जास्त)	
				>700.00	Very High (अत्यंत जास्त)	

7	Available Phosphorus (उपलब्ध स्फुरद)	Kgha-1	Olsens (NaHCO ₃ extraction)	<7.00	Very Low (अत्यंत कमी)	
				7.00-14.00	Low (कमी)	12.18
				14.00-28.00	Normal (मध्यम)	
				28.00-35.00	High (जास्त)	
				>35.00	Very High (अत्यंत जास्त)	
8	Available Potassium (उपलब्ध पालाश)	Kgha-1	Flame Photometer	<100.00	Very Low (अत्यंत कमी)	
				101.00-150.00	Low (कमी)	
				151.00-250.00	Normal (मध्यम)	
				251.00-300.00	High (जास्त)	
				>300.00	Very High (अत्यंत जास्त)	370.10
9	Exchange Calcium (विनिमय कॅल्सिम)	mg 100g-1	EDTA Titration	<500.00	Low (कमी)	
				500.00-1000.00	Normal (मध्यम)	
				1000.00-1800.00	High (जास्त)	
				>1800.00	Very High (अत्यंत जास्त)	5185.00
10	Exchange Magnesium (विनिमय मॅग्नेशियम)	mg 100g-1	EDTA Titration	<250.00	Low (कमी)	
				251.00-500.00	Normal (मध्यम)	378.00
				500.00-800.00	High (जास्त)	
				>800.00	Very High (अत्यंत जास्त)	
11	Available Sulphur (उपलब्ध गंधक)	ppm	Barium Chloride precipitation Spectrophotometer	<10.00	Low (कमी)	
				10.00-50.00	Normal (पुरेसे)	12.41
				50.00-70.00	High (जास्त)	
				>70.00	Very High (अत्यंत जास्त)	
12	Sodium (सोडियम)	ppm	Flame Photometer	<400.00	Normal (पुरेसे)	324.00
				>400.00	High (जास्त)	
13	Copper (तांबे)	ppm	DTPA Extraction and (AAS)	<0.20	Deficiency (कमतरता)	
				>0.20	Sufficient (पुरेसे)	0.32
14	Zinc (जस्त)	ppm	DTPA Extraction and (AAS)	<0.60	Deficiency (कमतरता)	0.43
				>0.60	Sufficient (पुरेसे)	
15	Iron (लोह)	ppm	DTPA Extraction and (AAS)	<4.50	Deficiency (कमतरता)	1.42
				>4.50	Sufficient (पुरेसे)	
16	Manganese (मॅंगनीज)	ppm	DTPA Extraction and (AAS)	<2.00	Deficiency (कमतरता)	0.78
				>2.00	Sufficient (पुरेसे)	
17	Boron (बोरॉन)	ppm	Acid Extraction and Azomethine -H Spectrophotometer	<0.50	Deficiency (कमतरता)	0.18
				>0.50	Sufficient (पुरेसे)	