

**ALPHA**

LABS & TECHNOLOGIES

FOOD/WATER/SOIL/COSMETICS & OTHER PRODUCTS TESTING

An ISO 9001 Certified Laboratory

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TEST REPORT

REPORT NO:	ALT/3519/2025
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REPORT DATE:	04.10.2025
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Customer Name & Address			
Sample Details	Fermented Organic Manure		
Sample reference no:	ALT/SEP/25/3519	Sample received on	03.09.2025
Analysis started on	03.09.2025	Analysis completed on	07.09.2025

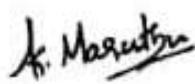
RESULTS OF THE ANALYSIS

S.NO	TEST PARAMETERS	UNIT	TEST PROTOCOL	RESULT
1.	Moisture	%	IS 27020 PART-2 1973	46.83
2.	Particle size	%	IS 18146:2023	100
3.	Total Organic Carbon	%	14.51	22.78
4.	Total Nitrogen	%	IS 14684	3.5
5.	C/N RATIO	-	IS 2720(P22) and IS 6092 (PART 2)	19.14
6.	pH @ 25 °C	-	IS 2720:(Part 26)	6.63
7.	Specific Electrical Conductivity @ 25 °C	mS/cm	IS 14767	1.8
8.	Arsenic	mg/kg	ALT-CH-SOP-006	BLQ [LOQ:0.05]
9.	Cadmium	mg/kg	ALT-CH-SOP-006	0.079
10.	Chromium	mg/kg	ALT-CH-SOP-006	9.63
11.	Copper as Cu	mg/kg	ALT-CH-SOP-006	50.1
12.	Mercury	mg/kg	ALT-CH-SOP-006	BLQ [LOQ:0.05]
13.	Nickel	mg/kg	ALT-CH-SOP-006	14.87
14.	Lead	mg/kg	ALT-CH-SOP-006	20.51
15.	Zinc as Zn	mg/kg	ALT-CH-SOP-006	71.26

*** End of Report ***


Reviewed by
Senior chemist




Approved by
Technical Manager
Authorized Signatory



Form "L1"
(See Clause 30)

Analysis Report of Organic Fertiliser Sample

No: OFTL/118/2024-25

Date: 20-08-2024

From:

Tmt.B.Mythili, M.Sc(Agri).,
Senior Agricultural Officer,
Organic Fertiliser Testing Laboratory
Lawley Road, G.C.T.Post
Coimbatore -641013

To,

The Fertiliser Inspector
Assistant Director of Agriculture
Semmandalam
607001

Cuddalore District

The analysis report of the fertiliser sample forwarded vide your reference

No Lr.No.A1/01/Fert/2024-25 dt 25.7.24 is as per details given below :

- | | |
|--|-----------------------------------|
| 1 Name of Organic Fertiliser | : Liquid Fermented Organic Manure |
| 2 Date of sampling | : 25.7.24 |
| 3 Code No. of sample as indicated by the Inspector | : CUD/CUD/OM/03/2024-25 |
| 4 Date of receipt of the sample in the laboratory | : 29-Jul-24 |
| 5 Laboratory sample No | : 253 / 24-25 |
| 6 Date of analysis of sample | : 29.7.24 to 20.8.24 |

7. Analysis of organic fertiliser (on fresh weight basis)

Sl No.	Details	Specification as per FCO	Analytical Report	Variation	Permissible Tolerance Limit
A Physical Characteristics					
1	Moisture(% by weight)	90 - 97	90.06		0.30
B Chemical Characteristics					
1	Total Organic Carbon (% by weight, minimum 14%) on dry basis	14 (min.)	30.64	16.64	
2	Total N (as N), Phosphate(as P ₂ O ₅) & Potash (as K ₂ O) minimum% by weight) on dry basis	1.2 (min.)	3.48	2.28	-0.20
3	C:N ratio	< 30	19.27	-10.73	
4	pH (6.5-8.4)	6.5-8.4	6.58		
5	Electrical Conductivity(as dsm ⁻¹) not more than 4	4	1.7	-2.30	
C Heavy Metal (as mg/kg), maximum limit					
1	Arsenic (as As ₂ O ₃) on dry basis	10	Nil		
2	Cadmium (as Cd) on dry basis	5	0.119	-4.881	
3	Chromium (as Cr) on dry basis	50	4.11	-45.890	
4	Copper (as Cu) on dry basis	300	40.06	-259.940	
5	Mercury (as Hg) on dry basis	0.15	Nil		
6	Lead (as Pb) on dry basis	100	4.11	-95.890	
7	Zinc (as Zn) on dry basis	1000	63.26	-936.740	

Remarks :-

The sample is according to the specifications as per Schedule IV part A of Fertiliser Control Order(1985) (Amended as per Gazette notification November 2023)

Hence declared as "Standard"

[Signature]
Signature of the Incharge
Senior Agricultural Officer,
Organic Fertiliser Testing Laboratory
Coimbatore -13

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