



# VISON LABS

Environmental Consultants & Analytical Services

Recognised by NABL (ISO/IEC 17025:2005), NABET-QCI  
MoEF & CC, ISO 9001 : 2015 & OHSAS 18001 : 2007.

## CERTIFICATE OF ANALYSIS

<b>Issued To:</b> <b>Sri Gayathri Biotec</b> Near Ayyappa Swamy Temple, G.B.C Road, Kattempudi, Ponnur-522124, Guntur Dt, Andhra Pradesh.		Issued Date	14.05.2022
		Our Ref No	VL/22056943424
		Your Ref No	As per discussion with Mr. Balaji
		Your Ref Date	01.05.2022
Sample description	<b>Organic manure</b>	Mode of Packing	Self Lock Cover
Appearance of the Sample	Composted material	Sample condition at the time of registration	Found Ok
Sample Collection date	02.05.2022	Sample Quantity	1 kg (Approximately)
Sample Registration date	05.05.2022	Date of Analysis	05.05.2022
Sample Registration Time	10.30 AM	Analysis Completion	14.05.2022
Sample Collected through Courier in Vison Labs		Sample Tested As Received Basis	

## TEST RESULTS

S.No.	Parameters	Units	Test Results	Specifications as per FCO
1	Color	--	Dark Brown	Dark brown to Black
2	Odor	--	Absence of foul odor	Absence of foul odor
3	Particle size	%	98.50	Minimum 90% material should pass through 4.00mm sieve
4	C:N Ratio	--	15.10:0.98	20 :1 or less
5	pH at 25 °C	--	7.10	6.50 – 7.50
6	Conductivity at 25 °C	ds <sup>m</sup> -1	3.0	4.0 maximum
7	Bulk density	gr/cm <sup>3</sup>	0.80	<1.0
8	Moisture	percentage by weight	20.18	25.0 maximum
9	Total Organic Carbon		18.04	14.0 minimum
10	Total Nitrogen as N		1.04	1.0 minimum
11	Total Phosphates as P <sub>2</sub> O <sub>5</sub>		0.98	0.9 minimum
12	Total Potash as K <sub>2</sub> O		0.85	0.8 minimum
13	Pathogens	--	Not detected	Absent
14	<b>Heavy Metals ↓</b>			
	Arsenic as AS <sub>2</sub> O <sub>3</sub>	mg/kg	1.90	10.0 maximum
	Cadmium as Cd		1.00	5.00 maximum
	Chromium as Cr		24.35	50.00 maximum
	Copper as Cu		154.05	300.00 maximum
	Mercury as Hg		0.020	0.15 maximum
	Nickel as Ni		2.70	50.00 maximum
	Lead as Pb		4.0	100.00 maximum
	Zinc as Zn		300	1000.00 maximum

**Note: 1.** Analysis was done as per standard method prescribed by Fertilizer Control Order (FCO) 1985 and S.O.2803 (E) by ministry of agriculture, dated 03.11.2009.

**2.** As per above tested results this sample found as Organic manure.

Checked by	Sr. Chemist	Authorized Signature

VL/QEHS/5. 10/TR