



# 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

Issued To: <b>Sri Gayathri Biotec</b> Near Ayyappa Swamy Temple, G.B.C Road, Kattempudi, Ponnur-522124, Guntur Dt, Andhra Pradesh.		Issued Date	11.11.2017
		Our Ref No	VL/17116943484
		Your Ref No	As per discussion with Mr. Balaji
		Your Ref Date	04.11.2017
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	06.11.2017	Sample Quantity	1 kg (Approximately)
Sample Registration date	06.11.2017	Date of Analysis	06.11.2017
Sample Registration Time	10.30 AM	Analysis Completion	11.11.2017
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	%	96.58	Minimum 90% material should pass through 4.00mm sieve
4	C:N Ratio	--	16.32:0.96	20 :1 or less
5	pH at 25 °C	--	7.43	6.50 – 7.50
6	Conductivity at 25 °C	dsm <sup>-1</sup>	3.85	4.0 maximum
7	Bulk density	gr/cm <sup>3</sup>	0.84	<1.0
8	Moisture		24.35	25.0 maximum
9	Total Organic Carbon	percentage by weight	16.32	14.0 minimum
10	Total Nitrogen as N		0.96	0.5 minimum
11	Total Phosphates as P <sub>2</sub> O <sub>5</sub>		0.79	0.5 minimum
12	Total Potash as K <sub>2</sub> O		0.65	0.5 minimum
13	Pathogens		--	Not detected
14	<b>Heavy Metals ↓</b>			
	Arsenic as AS <sub>2</sub> O <sub>3</sub>	mg/kg	1.98	10.0 maximum
	Cadmium as Cd		1.04	5.00 maximum
	Chromium as Cr		23.18	50.00 maximum
	Copper as Cu		164.7	300.00 maximum
	Mercury as Hg		0.023	0.15 maximum
	Nickel as Ni		2.71	50.00 maximum
	Lead as Pb		3.8	100.00 maximum
	Zinc as Zn		405	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