

**CENTRAL TESTING LABORATORY**  
**DEPARTMENT OF SOIL SCIENCE**  
**PUNJAB AGRICULTURAL UNIVERSITY**  
**LUDHIANA**

**Test Report (Total Elemental Composition by ICAP-OES)**

**Nature of the Sample:** Vermicompost#1

**Submitted by:** Payasvi Batra  
 Soil Care Solutions Farm Village Kishanpura  
 Mohali Punjab

Element (s)	Sample#1	Specification For Organic Manure*
Colour	Black	Dark Brown to Black
Odour	Odourless	Absence of Foul Odour
pH	7.9	6.5-7.5
Conductivity (dS m <sup>-1</sup> ) not more than	0.98	0.4
C:N ratio	11.91	<20
<b>Macro-Nutrient (%)</b>		
Total Carbon	17.4	minimum 18
Total Nitrogen	1.47	minimum 1.0
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	1.66	minimum 0.8
Potassium (K <sub>2</sub> O)	1.64	minimum 0.8
Calcium	1.77	-
Magnesium	0.54	-
Sulphur	0.42	-
<b>Micro-Nutrient (mg kg<sup>-1</sup>)</b>		
Boron	11.7	-
Copper	57.7	300
Iron	14722.3	-
Manganese	281.7	-
Zinc	204.3	1000
<b>Heavy Metal (mg kg<sup>-1</sup>)</b>		
Arsenic	2.7	10
Cadmium	1.0	5
Chromium	38.3	50
Nickel	18.3	50

The above elemental concentrations are in the samples provided to the laboratory  
**Not Liable for Legal implications**

  
 Lab Incharge