

Central Soil Testing Laboratory
Department of Soil Science
Punjab Agricultural University, Ludhiana

Total Elemental Analysis by ICP-OES

Description of Sample: Vermicompost#1

Submitted by: Payashvi Batra
Soil Care Solutions Farm Village Kishanpura
Mohali, Punjab

Parameters	Standards As per FCO-1985	Sample Result
(i) Moisture, per cent by weight	15.0-25.0	38.8
(ii) Colour	Dark brown to black	Black
(iii) Odour	Absence of foul odour	Odourless
(iv) Particle size	Minimum 90% material should pass through 4.0 mm IS sieve	91%
(v) Bulk density (g/cm ³)	0.7 -0.9	-
(vi) Total organic carbon, per cent by weight, minimum	18	17.4
(vii) Total Nitrogen (as N), per cent by weight, minimum	1	1.47
(viii) Total Phosphate (as P ₂ O ₅), per cent by weight, minimum	0.8	1.66
(ix) Total Potassium (as K ₂ O), per cent by weight, minimum	0.8	1.64
(x) Heavy metal content, (as mg/Kg), maximum		
Cadmium (as Cd)	5	1
Chromium (as Cr)	50	38.3
Nickel (as Ni)	50	18.3
Lead (as Pb)	100.0	43.5

The above elemental concentrations are in the samples provided to the laboratory

Not Liable for legal implications

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