



Vermicompost



1. Physical Characteristics

Parameter	Specification
Appearance	Dark, granular, crumbly
Odor	Earthy, no foul smell
Moisture Content	15 – 25 %
Bulk Density	0.7 – 0.9 g/cc
Particle Size	90% should pass through 4 mm sieve

2. Chemical Specifications

Parameter	Specification Range
pH	6.5 – 7.5
Organic Carbon	12 – 18 %
Total Nitrogen (N)	1.5 – 3.0 %
Total Phosphorus (P ₂ O ₅)	1.0 – 1.5 %
Total Potassium (K ₂ O)	1.0 – 2.0 %
C:N Ratio	15 – 20
Electrical Conductivity	< 4 dS/m

3. Microbiological Standards

Test	Acceptable Limit
Total Plate Count (TPC)	< 1 × 10 ⁶ cfu/g
Coliforms	Absent
Salmonella	Absent
E. coli	Absent
Pathogens	Nil



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4. Nutritional Value

Nutrient (per 100 g)	Value
Organic Matter	30 – 40 g
Humic Substances	1 – 2 g
Calcium, Magnesium, Iron, Zinc	Present in trace quantities

5 Packaging & Storage

Aspect	Specification
Retail Packs	1 kg, 2 kg, 5 kg, 10 kg (HDPE/PP bags, laminated pouches)
Bulk Packs	25 kg, 50 kg woven PP/HDPE bags with inner liner
Export Packs	As per buyer's requirement, palletized & shrink wrapped
Shelf Life	12 months from date of production
Storage Conditions	Cool, dry place, protect from moisture & sunlight

