TreeLife Urban™: Commitment to Quality

Quality Control Measures for TreeLife Urban™

1. Raw Material Sourcing
- All organic inputs are sourced locally and certified free from toxins, heavy metals, and persistent pollutants.
- Regular supplier audits ensure traceability and sustainability of the material streams.

2. Microbial Inoculant Verification
- Starter cultures of bacteria, fungi, actinomycetes, and yeast are tested for purity and viability prior to use.
- Periodic DNA or plating assessments confirm the desired functional microbial groups are present.

3. Controlled Fermentation Conditions
- Temperature, pH, oxygen levels, and moisture content are continuously monitored during the aerobic breakdown and stabilisation phases.
- Automated systems regulate conditions, preventing the formation of undesirable byproducts (like ammonia or methane).

4. Pathogen Reduction and Sanitation
- Composting process validated to achieve temperatures (>70°C) sufficient to destroy pathogens and weed seeds, as per industry and regulatory standards.
- Finished product is batch-tested for human and plant pathogen absence before release.

5. Batch Consistency and Lot Tracing
- Each production batch is assigned a unique lot number for complete traceability from input to output.
- Key parameters (NPK values, organic matter, C:N ratio, moisture, microbial activity) are measured and recorded per batch.

6. Third-Party Laboratory Testing
- Routine external lab analyses verify nutrient content, heavy metals, pH, salinity, and biological activity to meet claims and safety thresholds.

7. Shelf Life and Stability Monitoring
- Finished product is stored under controlled conditions to maintain microbial activity and nutrient value until delivery.
- Retention samples are kept to assess stability and performance over shelf life.

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8. End-User Safety and Documentation
- Safety data sheets, application instructions, and batch analysis certificates are provided to all customers.
- Customer feedback and field trial data are incorporated into continuous product improvement.